

# U. S. Environmental Protection Agency Region 5, Land and Chemicals Division RCRA Branch, LR-8J 77 West Jackson Blvd Chicago, IL 60604

# RCRA COMPLIANCE EVALUATION INSPECTION REPORT

SITE NAME:

Ortek Inc.

**EPA ID NUMBER:** 

ILD000646786

ADDRESS:

7601 West 47th Street

Mc Cook, Illinois 60525

DATES OF INSPECTION: December 9, 14, and 21, 2011 and

January 30, 2012

**EPA INSPECTOR:** 

Michael Beedle

PREPARED BY:

Michael Beedle

ACCEPTED BY:

Paul Little, Chief, CS2

# **Purpose of Inspection**

This inspection was an evaluation of the Ortek Inc.'s compliance with hazardous waste and used oil regulations found at Illinois Administrative Code and the Code of Federal Regulations. The inspection was an EPA lead RCRA Compliance Evaluation Inspection (CEI).

# **Participants**

Inspector:

Michael Beedle, Environmental Scientist, EPA

Representatives of Ortek: Robert Kolar, Project Manager Laurie Witter, Office Manager

#### Introduction

This inspection was conducted over four separate days on December 9, 14, and 21, 2011 and January 30, 2012. I first arrived at the site at approximately 10:10 AM on December 9<sup>th</sup>. I met with Ms. Witter and Mr. Kolar introduced myself; presented my inspector credentials and business card; and described the purpose and the process of the inspection. Mr. Kolar provided a description of the site and led the tour. Ms. Witter and Mr. Kolar provided records for review. Ortek has approximately seven employees. Ms. Witter and Mr. Kolar typically work to approximately 4:30 PM.

I provided a Small Business Resources information sheet to Mr. Kolar on December 21<sup>st</sup>. Mr. Kolar and Ms. Witter indicated that the owner of the facility is currently in prison and that they were doing the best they could in consideration of the circumstances. (See: http://www.mysuburbanlife.com/lagrange/features/x1328933671/Man-barricaded-in-home-in-McCook-Lyons-area)

# Site Description

Ortek has notified as used oil refiner and marketer. The site takes in used oil, waste antifreeze, and non-hazardous wastewater. The site use to distill the used oil to manufacture gas oil. The site's stills have not operated since January 2010 or January 2009. Ortek took in crank case oil from Future Environmental and distilled it for them. The site formerly made lube oil many years ago.

Ortek takes in wastewater that has a small amount of oils on it. The site consolidates the wastewaters. When enough oil is on the top of the water, the oil removed. The site discharges the separated water to the sewer per a pretreatment permit. The site does not treat the water with chemicals. It only separates oil from the water. It operates as a Centralized Wastewater Treatment facility.

The site reclaims antifreeze. The site filters antifreeze and removes any oil from the top of it. The site then adds ingredients to antifreeze to meet specification. The site sends antifreeze samples offsite to make sure it meets the final product specifications.

The site packages and sells the antifreeze and reclaimed oil to Mazan Khatib of New World Sales who sold the material under the Super XXX product brand. Mr. Kolar said there is another company out there using the Ortek Super XXX label that is putting out bad material. He said there is an investigation of who is using their label.

Mr. Kolar checks the used oil for chlorine and PCBs using an Oxford XRF. He said the sample is taken as the tanker is offloaded. He said the used oil is placed into a tank and is segregated until the analytical is completed. He said they have rejected loads with high chlorine.

Mr. Kolar said the material received is mostly water. He said the oil floats to the top of the water. He said the water is sent to the wastewater treatment plant. He said the water is not treated with any chemicals. The water is discharged to the sewer. Only gravity separation is used for the treatment. I asked about the solids settling out of the oil and wastewater. He said the solids are still in the tanks and have not been removed for a number of years.

Mr. Kolar said chemicals are added to oil to help the separation from water. He said caustic, alum and polymers are added. He said the oil is sold or returned to their customers. The site main customers were identified as: Future Environmental, North Branch Environmental, Turn-Key, Haz Chem, and Illinois Recovery Group.

Mr. Kolar said the solids/sludge from their oil/antifreeze/wastewater processing are in the tanks. He said there are solids generated in the filtration of antifreeze in socks. Mr. Kolar and Ms. Witter said the last time the solids were removed was 4 or 5 years ago by Best Environmental.

# Site Tour

We toured the site observing the lab; used oil tanks; stills; the triple basin; oil and antifreeze packaging; and the wastewater treatment plant. I took photographs of the various waste operations and waste storage/accumulation areas during the inspection. See the photographs in Attachment A.

We started the tour in the lab. The site runs flash point on material they are sending offsite. Mr. Kolar said the site rejects gasoline. The lab has a GS/MS that is currently down. The site sends samples out for such analysis as necessary. The site use pH paper to determine the pH of a material. The site has centrifuge and will do DSW on a occasion. DSW is a centrifugal analysis to determine the amount of oil, water and solids in a sample of material. The site also does solvent extraction of some material in the lab. The site uses acetone, and toluene for the extractions. The acetone and toluene are placed into a lab oil bucket. The lab oil is returned to the oil tanks.

We observed tank 101. It was labeled used oil. It did not have secondary containment (photos 1-

- 5). There were a tray and a 5 gallon bucket outside of tank 101 to catch oil drippings (photos 3-
- 5). There was a small amount of oil in each. Neither were labeled or marked used oil.

We went to the boiler and observed tanks (200 series) for finished products and additives. The boiler and finished oil products operations had not been running for a couple of years.

I observed tanks 1, 2, and 3. The tanks were labeled used oil. These tanks were in secondary containment. Mr. Kolar said that water is taken off the oil and it is dehydrated in theses tanks. I observed the triple basin where debris/dirt is separated off oil. I took pictures of the basin (photos 6, and 15-18). The basin is pumped to tank 101. Tanks 1-6 take water off oil and the water is sent to the wastewater treatment plant. There was oily debris on top of the basin's grates and several 5-gallon buckets (photos 15 and 17). The buckets were not labeled used oil. In the offloading area near tanks 1-10 and tanks 120-146 there were numerous 5-gallon buckets (photo 7) and a 55 gallon drums holding used oil. These containers were not labeled or marked used oil.

I observed a truck being loaded during the tour. Illinois Recovery Group (IRG) out of Franklin Park and Morris was picking up oil. The driver, Zach Petry, said the truck was going to the Morris facility to a storage tank. He said the material is sold to asphalt companies as fuel.

We walked on the south side of the 1-10 and 120-146 tanks. The tanks do not have secondary containment. The soil near these tanks appeared to be oil stained (photos 8 and 9). Tanks 1-10 are on a concrete pads but do not have secondary containment walls.

I observed a monitoring well during the tour (photo 10). Mr. Kolar said that there were 8-10 monitoring wells onsite. I took pictures of the catch basins, lift station, and triple basin south of the 1-10 and 120-146 tanks (photos 11-26). The catch basins are used capture liquid run off from the processing areas (photos 11-14, 16, 24 and 25).

The lift stations (photos 19 and 20) are used to send material to the wastewater treatment plant. I observed that oil was being released from the triple basin, catch basin and lift station area onto the adjacent soil (photos 11-14, and 16). I observed sludge/solids in the bed of a truck (photos 21, 24 and 26) in this area. The tarp over the sludge was torn and not covering the material. Mr. Kolar said the sludge was from loading and offloading at the triple basin.

There is an area south of these tanks where oil was formally loaded/off-loaded into rail cars (photos 22-23). The secondary containment under this area had oil in it. I observed an old tank that had a worn tarp and plywood on it (27-29). Mr. Kolar said the tank was approximately <sup>3</sup>/<sub>4</sub> full of sludge. Photo 29 is under the plywood and tarp. Sludge, debris and liquid can be seen in the photo.

Tank 100 has flexible piping from it to the triple basin area (photo 30). Outside of tank 100, I observed oil sludge on the ground (photo 31). The tank was labeled used oil but did not have secondary containment (photo 32). The level indicator on tank 100 showed that the tank was approximately half full (photo 33).

I observed a tanker truck arriving at Ortek from Turn-Key. I talked to the driver, Brandon Miller. He showed me non-hazardous wastewater manifest he was carrying. The material on the manifest was rejected by Klean Water in Indiana and was rerouted to Ortek.

We went into a building called the grease shack (photos 34-41). Mr. Kolar indicated that the building had not been used for a number of years. There were numerous abandoned drums, containers, and six lead acid batteries in the building. Some of the material was hazardous material in 5-gallon cans (approximately 12 cans). This material included chlorobenzene, 2-propanol, pyranol (PCB) and a can marked poisonous (catechol) (photos 37-39). I discussed with Mr. Kolar the dangers of abandoned chemicals and that it is common for such material to start leaking. I also mentioned waste requirements associated with spent batteries.

I next observed the offloading pumps near the 500 series tanks (photos 42 and 43). There were two 5-gallon pails without lids and a 55-gallon drum in this area. The pails were not labeled or marked used oil and contained oil. One had a large filter in it. The 55 gallon drum was closed and labeled used oil. The containers were not in secondary containment.

I observed tank 400 (photos 44 and 45). It is 250,000 gallon tank that is used to store used oil from Future. This is the oil that would be refined into gas oil if that operation resumes. Tank 400 is labeled used oil and has secondary containment. It is mostly full.

We went to wastewater treatment plant. Near this area there was spill a couple years ago from a heavy rain event. Mr. Kolar indicated that Future helped clean up the spill and that oil eating microbes were placed in the area. I did not observe any residual oil staining in the area.

Mr. Kolar said the wastewater treatment consists of API oil water separator. He said there was no chemical additive used to treat the water. He said that only physical separation occurs. He said that the oil recovered from it is pumped to tank 323. He said the solids from the treatment are still in the tanks. He said the solids had not been removed for a couple of years.

I observed the thermal oxidizer, three stills, hydrotreating treatment units and associated tanks that are used for refining the used oils. These units were not operating.

#### Record Review

After the tour on December 9, I met with Ms. Witter and Mr. Kolar. We further discussed site operations. It was reported that Future uses tanks 7, 8 and 400 for oil storage. In tanks 7 and 8, Future drops and picks up used oil on a routine basis. Tank 400 used oil has been in storage for a couple years. Mr. Kolar said all waters go into the triple basin which in turns goes into tank 101. Tank 101's water is taken off and sent to the WWTP. Oil is moved to another tank where more water may be removed. If the oil is dry enough it is sold to a customer. Ortek will sell it to Illinois Recovery or Future. Ms. Witter said that Ortek does not get analytical results with water shipments.

Because of participants' schedules, we discussed performing the record review on another day. I described the documents I would like to review which included: a site diagram, used oil manifests, antifreeze shipments, analytical data on the material received and shipped, the analysis plan and the biennial report. The inspection ended at 2:00 PM on December 9, 2011. Mr. Kolar emailed me a site diagram after the first day of inspection was completed (Attachment B).

#### December 14

I returned to Ortek on December 14, 2011 at 1:30 PM to review documents. I met with Mr. Kolar and Ms. Witter. Mr. Kolar further described the antifreeze process to me. He said the antifreeze is coming in a similar manner as oily waste. It does not come into the wastewater system. He said the site processes the antifreeze to make new antifreeze. He said they separate the oil and glycol. The antifreeze is filtered, the pH is adjusted, and an additive package including surfactants and more glycol are added. He said Mazen Khatib (New World Sales) is the person that Ortek bottles up the material under the Super XXX brand. Ms. Witter said that Mr. Khatib is not part of Voyager Petroleum. Voyager Petroleum comes up when a web search of Super XXX is done. Mr. Kolar said the antifreeze sits for month for separation. He said the material is packaged approximately twice a month depending on demand. It is package into 1-gallon jugs.

I asked about the storage of Future's oil. Mr. Kolar said the Future's oil is not processed. I asked if any of the Future material was stored more than 35 days. He said in tank 400 it is. As of November 2010 there was approximately 230,000 gallons of used oil in tank 400 per scale records. Tank 400 is a 250,000 gallon tank. Future's contacts are Steve Lempa, owner; and Jim Tietz, Vice President; Future's phone number is 708-479-6890. The crank case oil was vacuum distilled to make gas oil. It was shipped offsite and further processed by another company to make gasoline.

Ortek brings in antifreeze and wastewater on manifests and used oil on bills of lading. I reviewed some of Future's incoming and outgoing shipping documents for 2011. I did not see used oil rebuttable presumption information for the shipments.

I reviewed shipping documents for a company named RS Used Oil Services. In this folder there were several incoming and outgoing shipping documents, invoices and communications. There were eight hazardous waste manifests that had the generator's name and mailing address as RS Used Oil Services, Inc., 25903 S. Ridgeland Avenue, Monee, Illinois 60449. The Generator's ID was ILR000167478. The generator's site address was Ortek's, 7601, W. 47<sup>th</sup> Street, McCook, IL 60525. Ziron Environmental Services was the transporter on the manifests. The designated receiving facility was Green Castle WDF Facility in Indiana. The U.S. DOT description was RQ, UN 1992, Waste Flammable Liquids, N.O.S., 3 (6.1), PGII (RQ-D001)(Petroleum Distillates, Tetrachloroethylene). The waste codes on the manifests were D001 (ignitable), D008 (lead), and D039 (tetrachloroethylene).

Ms. Witter provided copies of two manifests, one land disposal restriction notification, a spreadsheet with shipment information and an email communication related to RS hazardous waste shipments (Attachment C). The material was removed from tanks 146, 122, and 120 per the spreadsheet and email communications. An account statement showing shipments to Ortek from RS was provided to me. Ms. Witter said the six shipments highlighted from RS on the account statement were the material sent offsite on manifests. The received material highlighted was date ranged from 4/14/11 to 5/17/11. The hazardous waste manifests were shipped from 11/1/11 to 11/14/11. A total of 41,312 gallons were shipped offsite as hazardous waste. Ms.

Witter said the material did not meet specs and was sent offsite. Ms. Witter provided documents related to RS shipment to Ortek on 4/14/11 (Attachment D).

The generator's ID on the manifests is not the same as Ortek's. Searching this ID comes up with the RS as the generator at Ortek's address in McCook. The notification says the generator is a Large Quantity Generator. See Ortek's notification information in Attachment E and RS' notification information in Attachment F.

Mr. Kolar provided a copy or the Ortek's Used Oil Management Waste Analysis Plan (Attachment G). Mr. Kolar said that manifests received are entered into spreadsheet approximately every other day. He said analytical data is recorded on a daily basis in log sheets. I reviewed the manifest of the wastewater that was rejected from Klean Water in Griffin Indiana that Turn-Key rerouted to Ortek. This was the shipment I observed during the site tour on December 9. There was nothing unusual marked on the manifest. The inspection on December 14 ended at approximately 4:15 PM. I arranged to continue the inspection on another day to be able complete the inspection checklist.

# December 21, 2011

I arrived at approximately 2:00 PM. I met with Mr. Kolar and Ms. Witter to complete the used oil inspection checklist and to review the analytical records kept by Ortek. Mr. Kolar provided a copy of the Spill Prevention, Control and Counter Measures Plan (Attachment H); documents associated a July 24, 2010 spill and response (Attachment I); Ortek's Illinois Nonhazardous Special Waste Annual Report (Attachment J); and a copies of Certificate of Analysis for samples identified as glycol; oil 503; and WO 4, 5, 6, 101 (Attachment K). The glycol analysis had an arsenic results of 25.58 ppm. The WO 4, 5, 6, 101 sample had chromium levels at 179 ppm.

Mr. Kolar indicated that he uses approximately 1-gallon of acetone every two months; and 1-gallon of toluene every six months for solvent extraction of oil in the lab. He said he runs chlorine analytical on everything they bring in except antifreeze product. The Oxford XRF was not running and was shipped offsite for repair. He said it worked for a few days then went down again. Mr. Kolar reported that the site is still receiving some waters.

Mr. Kolar thought the site was a centralized waste treater. Mr. Kolar said that since Jamie Snyder left that there was no compliance person onsite. They reported that Mr. Snyder and Mr. Aughenbaugh did most of the environmental compliance work for the site. Mr. Kolar said he was hired to run the vacuum distillation oil refining units and he was not hired for environmental compliance.

Ms. Witter said the site is not really taking in material at this time because of the Oxford being down. She said the site will bring in water and oil when the Oxford is fixed. Mr. Kolar and Ms. Witter said that three or four years ago, solids were taken out of the site. They thought Best Environmental is the contractor that came in and took out the solids.

It was reported that Future uses Tanks 7 and 8 for a few days to a week at most for storage of used oil and that tank 400 was storing Future's used oil for more than 35 days.

I reviewed some of the chlorine analytical data. I was somewhat confused by the system Ortek used. The Oxford printout was in percentages. Mr. Kolar wrote down the percentages as parts per million (ppm) in a log book on occasion. For example, I observed an Oxford printout of 0.149% and the recorded value of 0.149 ppm was recorded in the log. I mentioned to Mr. Kolar that it is my understanding that a reading of 0.149% is equivalent to 1,490 ppm. Mr. Kolar and I discussed this information.

I partially completed an used oil inspection checklist during the December 21 inspection (Attachment L). I was not able to fully evaluate information needed to complete the rebuttable presumption of mixing of used oil with hazardous waste. I mentioned that Ortek should have the generators rebut the presumption for each shipment and a profile with analytical data should be completed for each waste stream. The inspection on December 21 ended at 4:30 PM. I made arrangements to come back when the Oxford was working and to review the reporting of results.

# January 30, 2012 Record Review

I arranged to observe the analytical device that Ortek uses for chlorine analysis. I arrived at the site at 10:30AM. I met with Mr. Kolar and Ms. Witter. We went to the lab and observed the Oxford Lab X3000 XRF. The device measures chlorine and sulfur content. Mr. Kolar demonstrated how the device is used on a sample received. Mr. Kolar keeps a log of chlorine results and pH by scale ticket number for each shipment received. The document is entitled "Daily Receiving Log Used Oils" (Daily Log). The Oxford analytical printout is stapled to the log. The printout reports percentage of chlorine. Mr. Kolar mostly recorded the percentage on the log up to December 21, 2011 when we discussed the difference between percentage and parts per million. The log is kept in the laboratory.

I observed on the Daily Logs that for the days October 5, and October 12, 2011 that specific shipments received were above 1000 ppm chlorine. On 10/5, generator ITD, load 8, scale ticket 96760, the chlorine results were recorded as 0.7650 (7650 ppm). Ms. Witter provided a copy of this manifest associated with this ticket number. On 10/12 there were three shipments above 1000 ppm chlorine on the log and printouts. Scale ticket numbers 96817 and 96819 had analysis results of 0.6626% and 0.3288% respectively. Ms. Witter provided copies of these manifests for these two ticket numbers. See the Daily Logs and Manifests in Attachment M.

I observed numerous manifests for incoming shipments for January 2012. Most of the shipments were of wastewater. I observed samples that Ortek takes of each shipment. The sample jar is marked with the last three digits of the scale ticket number. I observed some samples of tank 101. It appeared to be half water and half oil. There were samples of oil/water transferred from tank 101 to tanks 126, 127, and 132 in the laboratory too. Mr. Kolar said the water is first taken off tank 101 and the oil is transferred to other tanks for further drying. According to Mr. Kolar this makes the drying easier and less chemicals are used for drying (water separation and removal).

I asked Mr. Kolar and Ms. Witter about the RS hazardous waste shipments. Mr. Kolar said the chlorine was too high in the oil. Ms. Witter said she told RS to pick up the material because Ortek could not use it. Ms. Witter said she did not know why it was hazardous waste.

I asked Mr. Kolar and Ms. Witter about the RS notifying as a large quantity generator and getting a EPA ID number for the Ortek address. Both said they did not know that RS had done so. Ms. Witter said that RS did not have a lease on any of Ortek's tanks.

Mr. Kolar provide a copy of a spreadsheet describing the current inventory: "Ortek Storage Tanks Inventory". Mr. Kolar stepped through the current inventory. I took notes on the document as we discussed it (Attachment N). Mr. Kolar did not know what was in 143 and 144 from memory. Ms. Witter called one of the tank operators to determine the contents. Tank 143 contents was distilled oil from when the distillation units were operating two years ago, other referred to as dried crank case oil. Tank 144 content was mostly dry oil with a little water in it from Haz Chem.

# January 30, 2012 Tour

I briefly toured some of the concern areas identified during the December 9 tour. I took photos of some of the concerns. We went to the used oil container at the offloading area near tank 133. The container was a 275 gallon tote with the top cut off (photos 46-48). It was labeled used oil. Mr. Kolar said Ortek put down a secondary containment in the area. The asphalt was sloped and had side curbing (photo 48). I observed there was oil stained soil in between tanks 9 and 133 (photo 49).

I observed the truck that contained oil contaminated debris in its bed. Ortek had placed a new tarp and completely covered the waste after the 12/9/11 tour. Mr. Kolar said that Ortek started to place such solids in a drum and tote. The 55-gallon drums and the 1-cubic yard tote were not closed or labeled used oil. The containers were located at the railroad car offloading area(photos 51 and 52).

Orteck stores a number totes on a concrete pad. The pad does not have curbing or walls. The pad is in between tanks 100 and 101. The majority of the totes were labeled used oil. Mr. Kolar said the containers, for the most part, were empty. However there were at least three containers that were ½ to 1/3 full (photos 53-55).

We continued to the grease shack to view the 5-gallon cans. I told Mr. Kolar that the pyranol was tradename for PCBs. He was surprised and did not know why the site would have it. We viewed cans in the shack. The labeled cans had material in them. Some of the unlabeled cans did not. The can above the pyranol was rotated to be able read the label. It was butyl alcohol (photo 56). The can chlorobenzene can was light and may have been mostly empty.

One additional labeled can was discovered amongst the various excess equipment in the grease shack. The product description of the can could not be read but it did have a flammable liquid DOT label on it and material in it (photos 57-58).

We finished the tour by observing the offloading area near the 500 series tanks. The used oil container was closed, in good condition, and labeled but was not in secondary containment (photo 59).

# **Closing Conference**

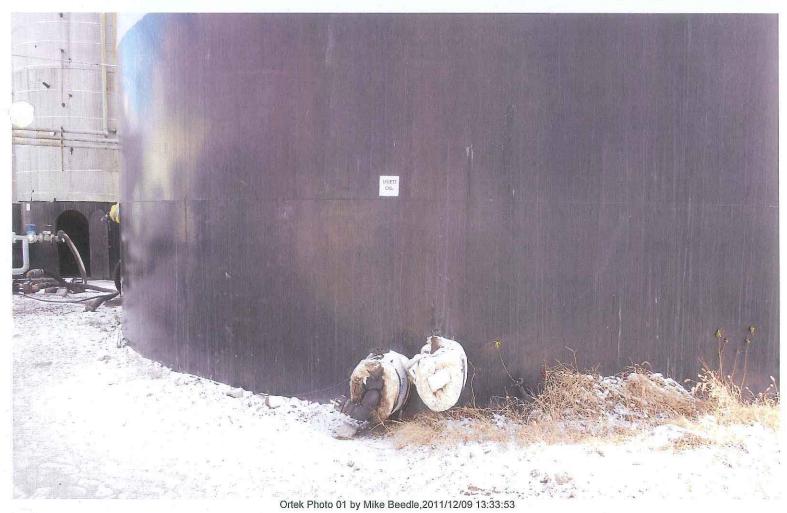
I summarized the secondary containment of tanks and containers; hazardous waste shipments; profile information; and rebuttable presumption issues and concerns identified during the inspection. The inspection concluded at approximately 12:50 PM on January 30, 2012.

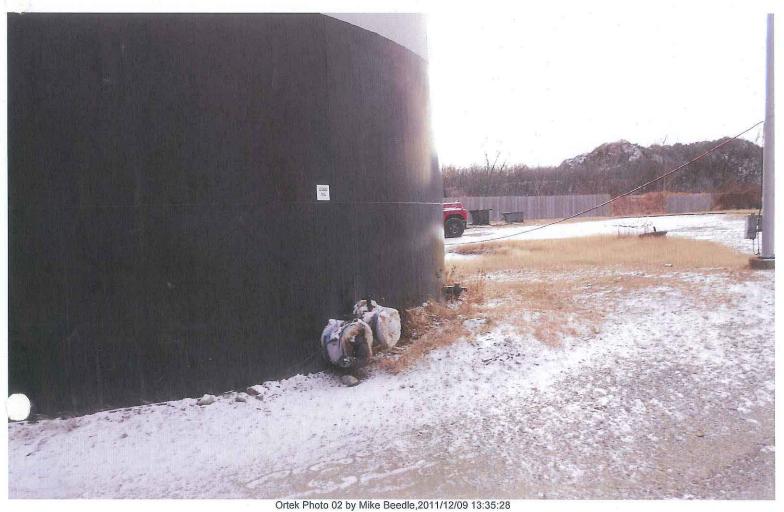
# **Attachments**

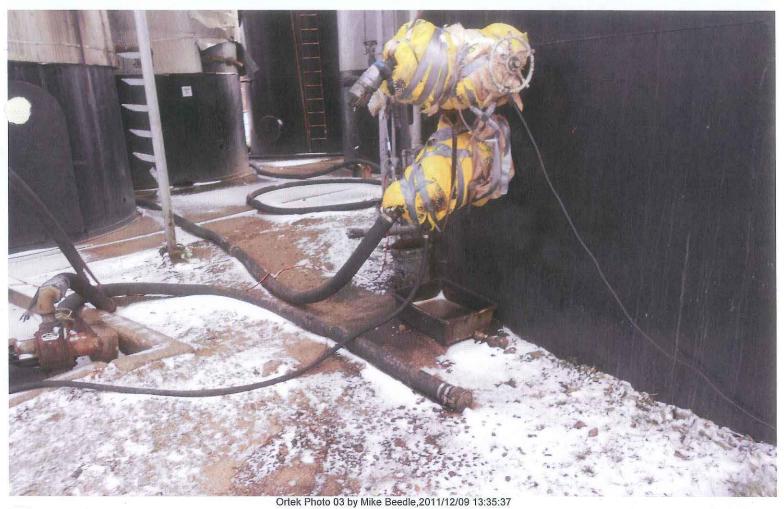
- A. Photographs
- B. Site Diagram
- C. RS Hazardous Waste Shipment Documents
- D. RS 4/14/11 Shipment Information
- E. Ortek's Notification
- F. RS Used Oil Services' Notification
- G. Used Oil Waste Analysis Plan
- H. SPCC Plan
- I. Release Information 7/24/10
- J. Special Waste Annual Report
- K. Analysis
- L. Checklist
- M. Daily Logs and Manifests
- N. Ortek Tanks Inventory

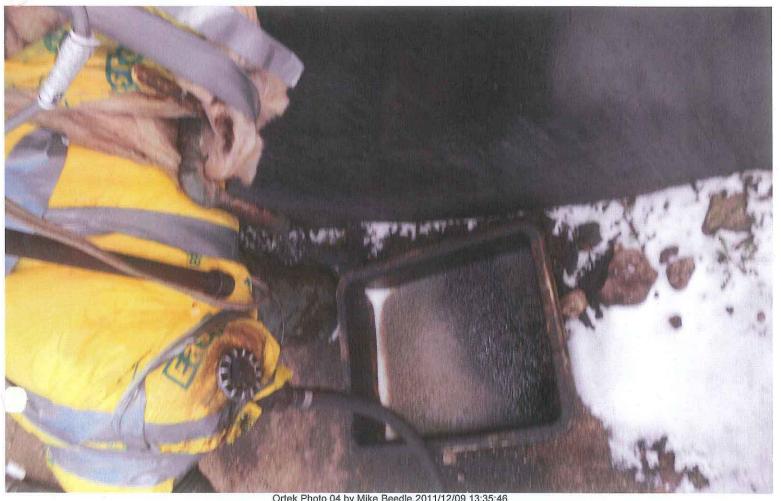
# ATTACHMENT A

Photographs

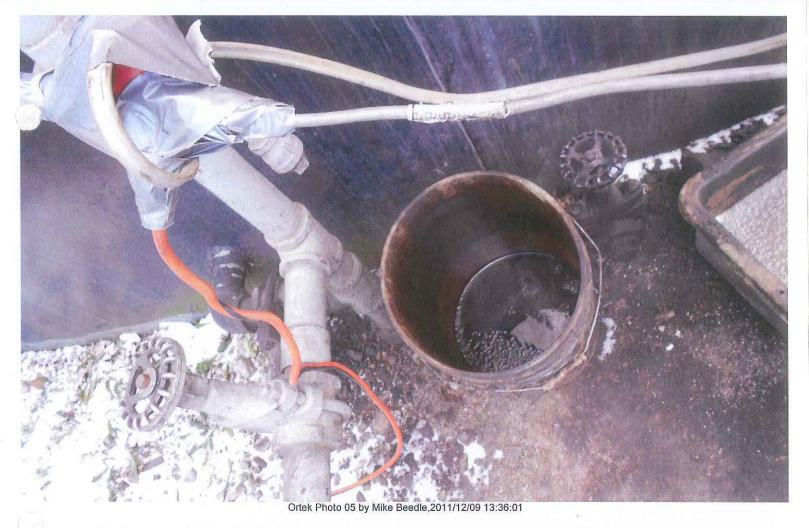


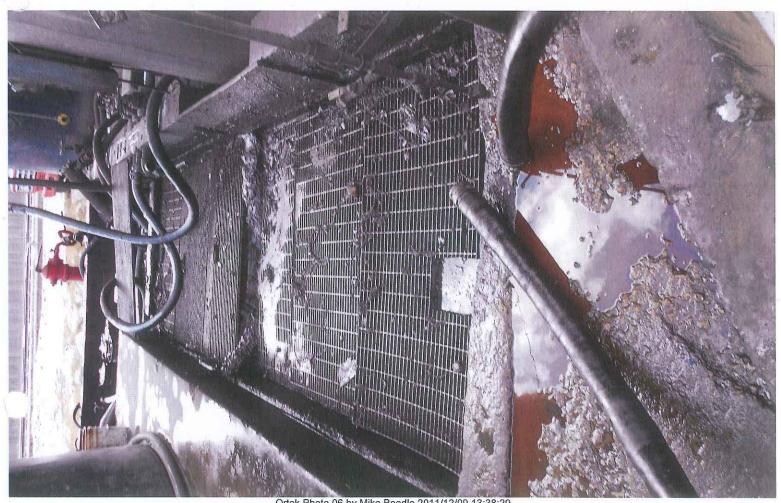




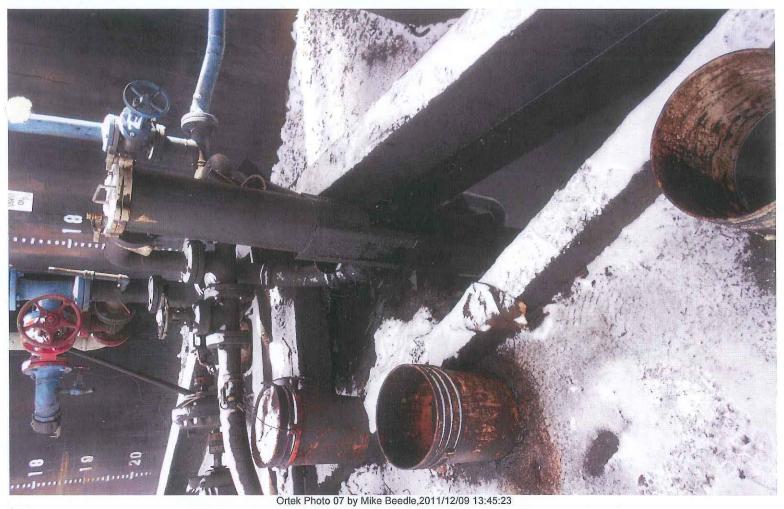


Ortek Photo 04 by Mike Beedle,2011/12/09 13:35:46





Ortek Photo 06 by Mike Beedle,2011/12/09 13:38:29

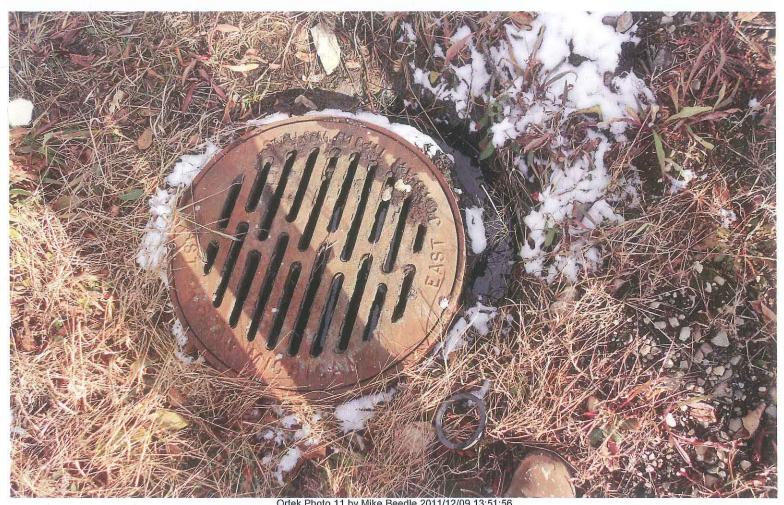




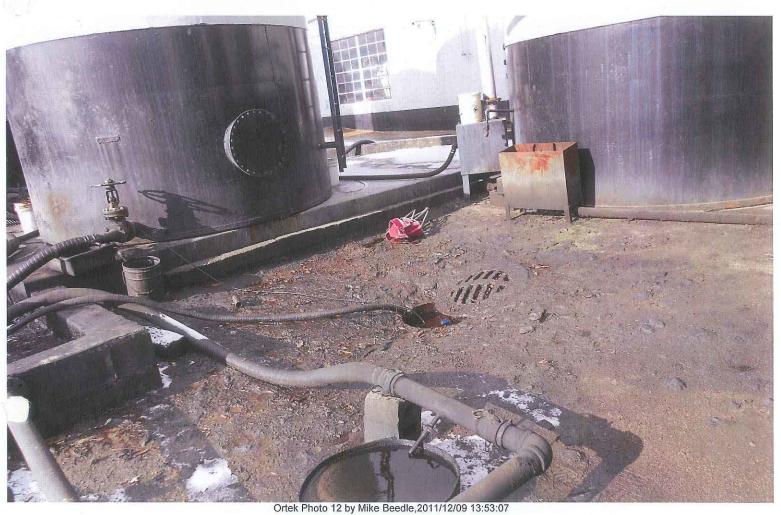
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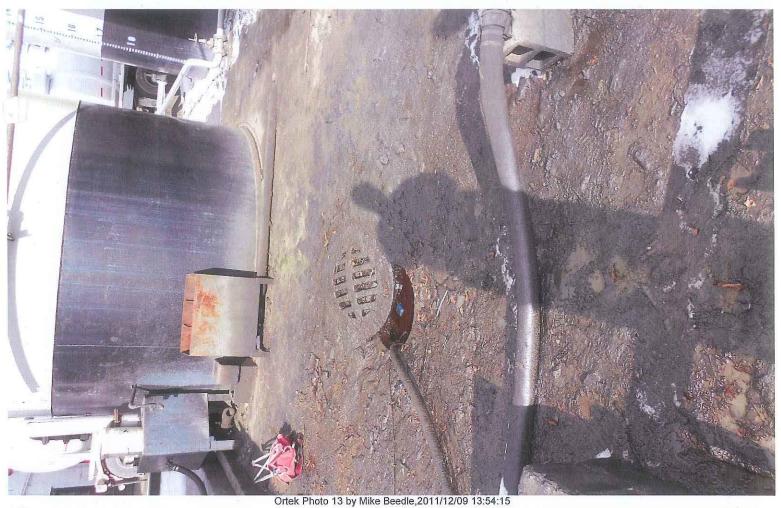


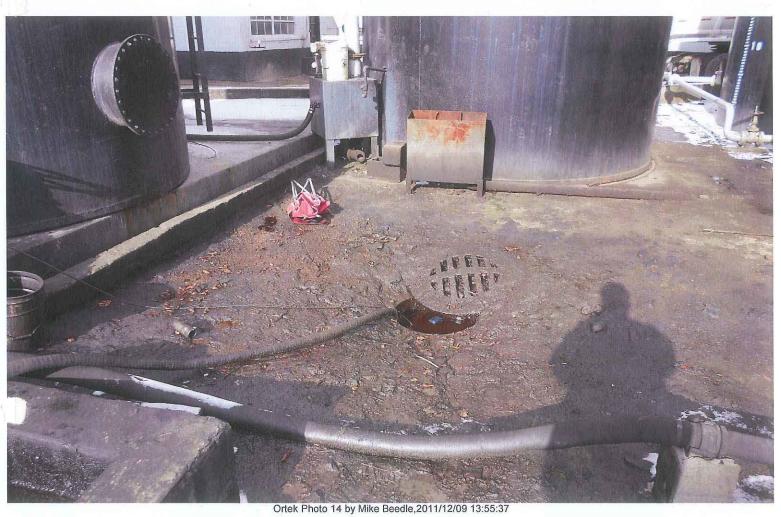


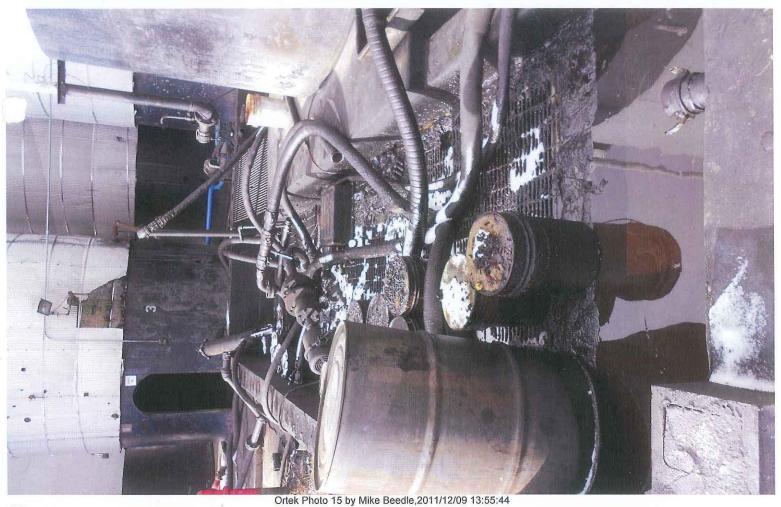


Ortek Photo 11 by Mike Beedle, 2011/12/09 13:51:56

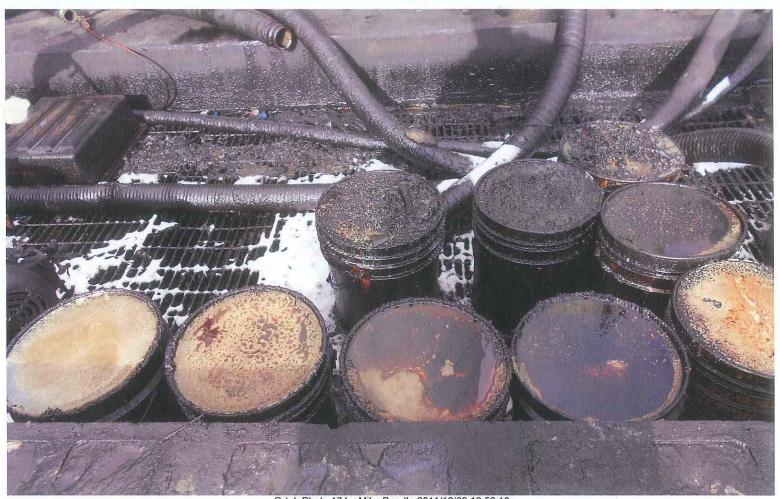




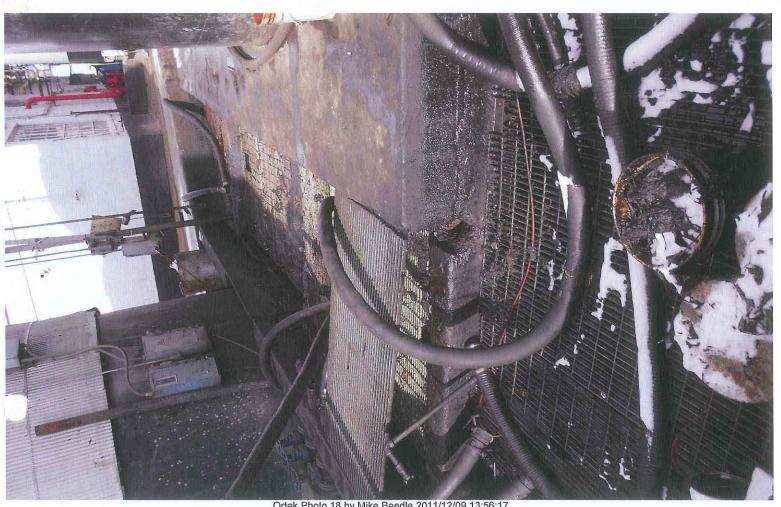




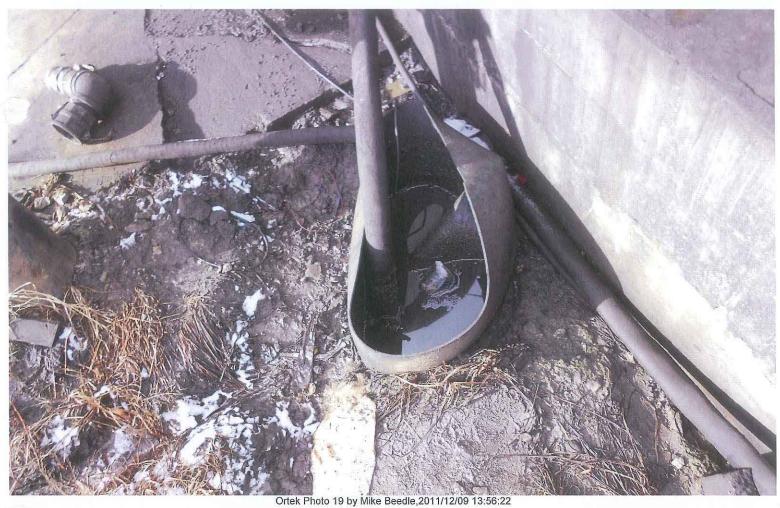


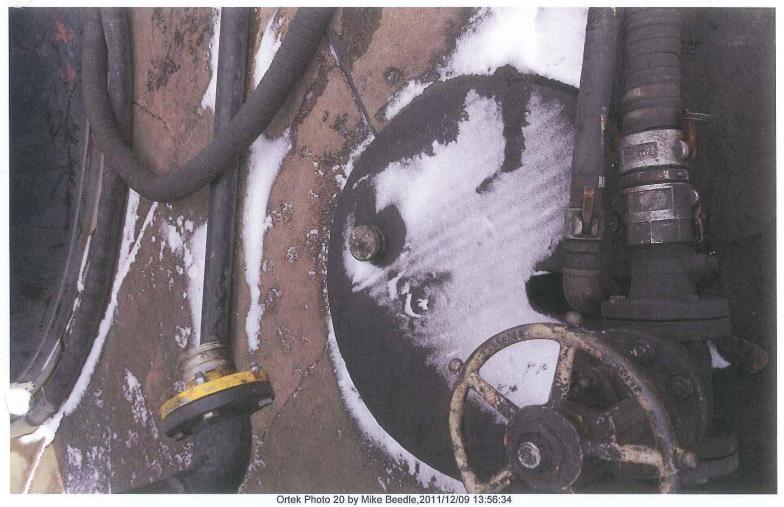


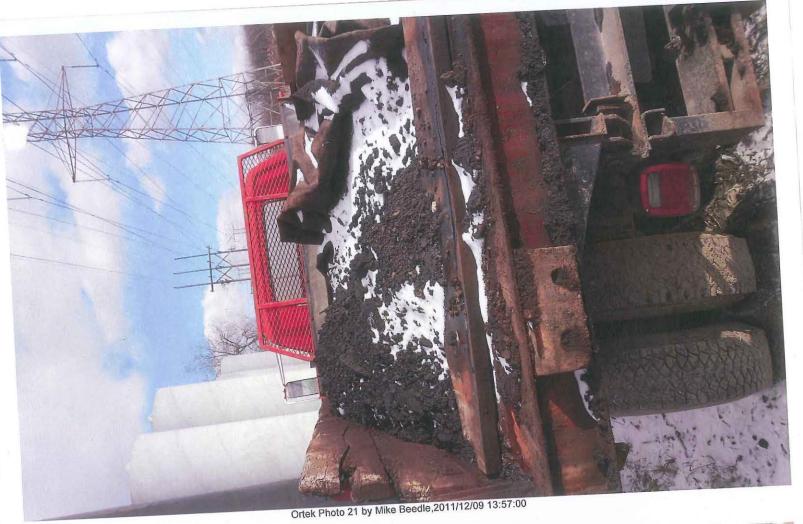
Ortek Photo 17 by Mike Beedle,2011/12/09 13:56:10



Ortek Photo 18 by Mike Beedle,2011/12/09 13:56:17

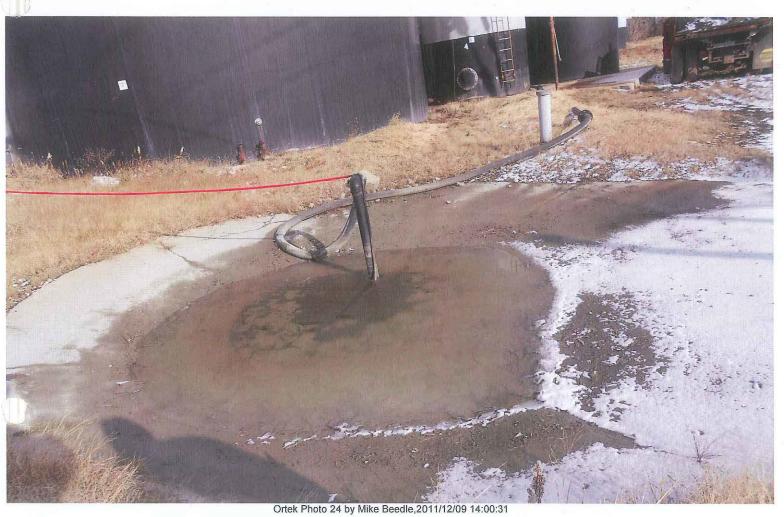


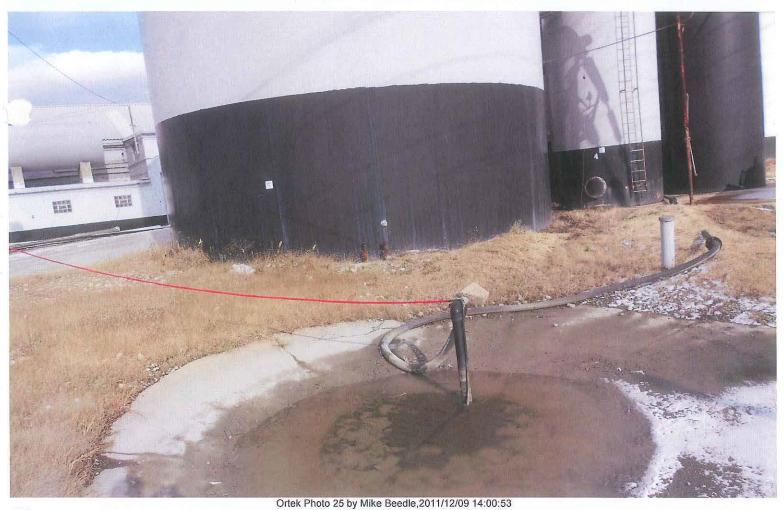


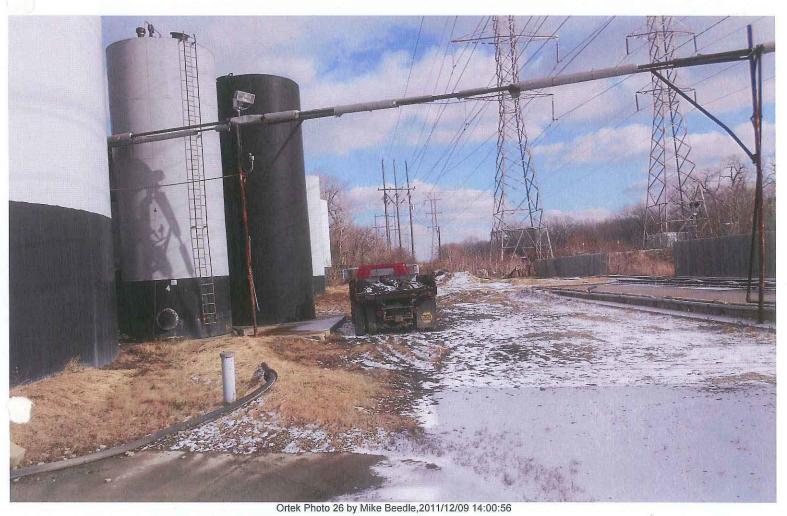


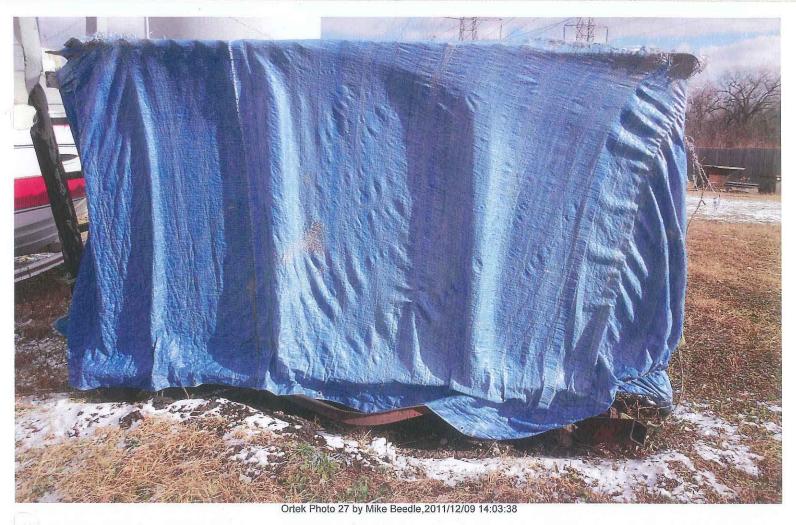


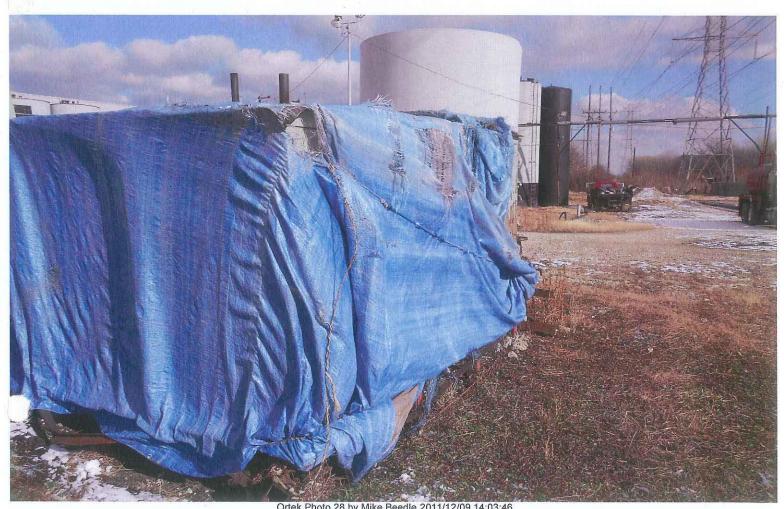






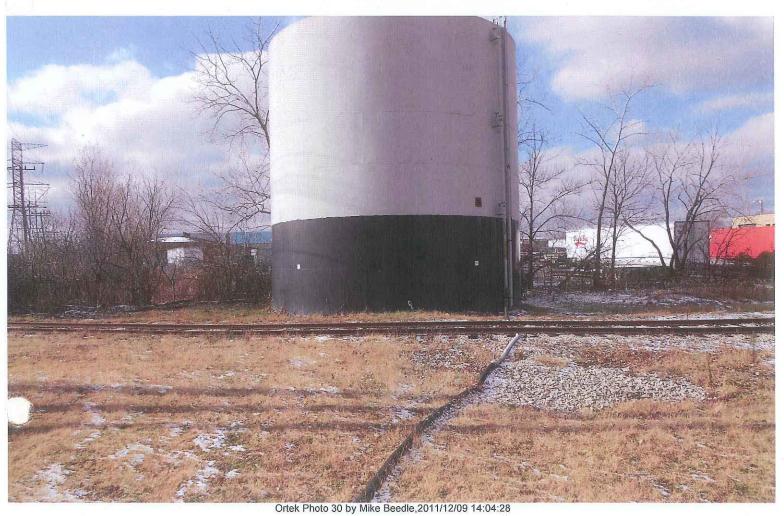


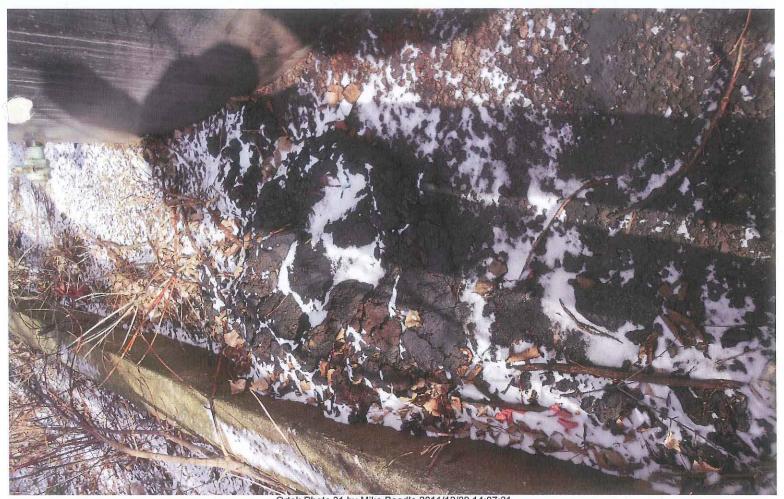




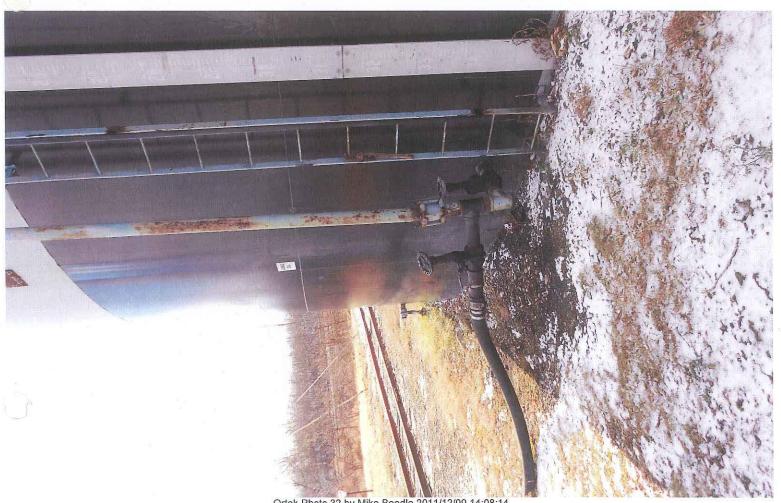
Ortek Photo 28 by Mike Beedle, 2011/12/09 14:03:46



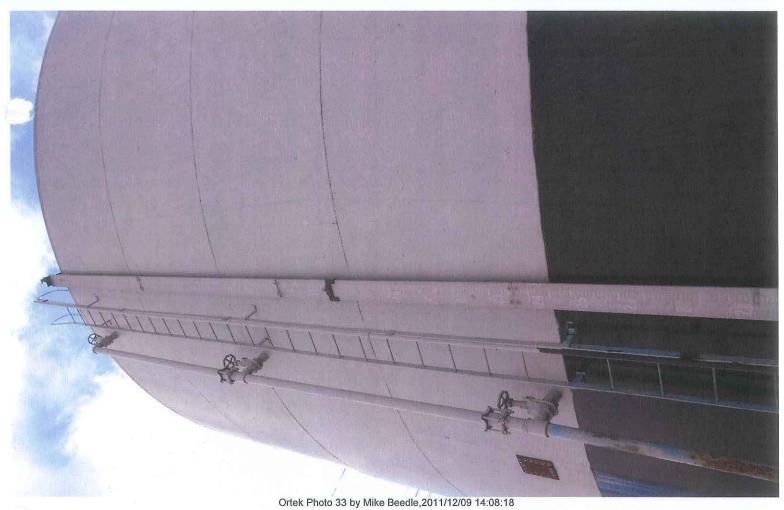


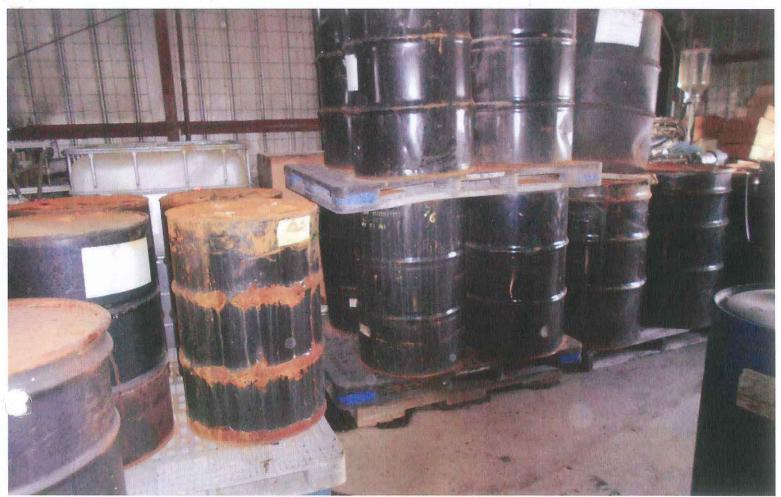


Ortek Photo 31 by Mike Beedle,2011/12/09 14:07:31



Ortek Photo 32 by Mike Beedle, 2011/12/09 14:08:14





Ortek Photo 34 by Mike Beedle,2011/12/09 14:16:39

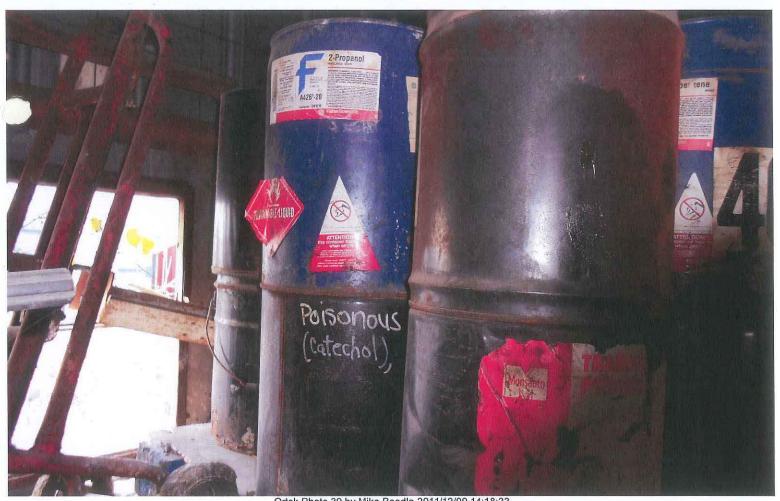


Ortek Photo 35 by Mike Beedle,2011/12/09 14:16:58









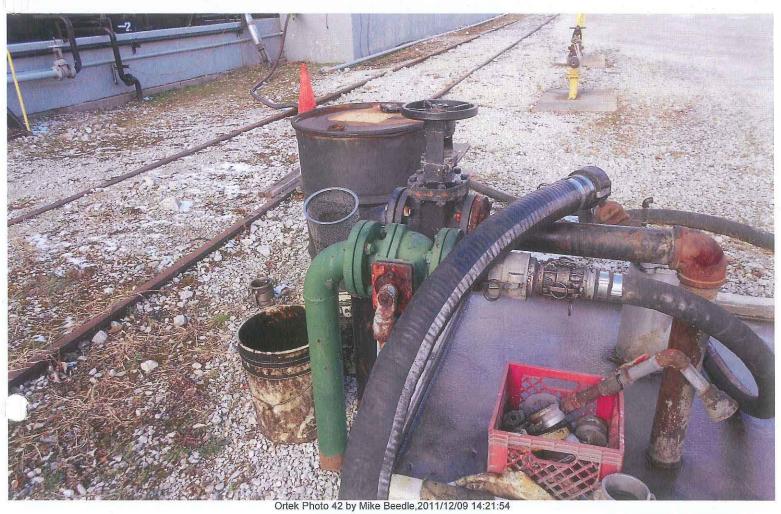
Ortek Photo 39 by Mike Beedle,2011/12/09 14:18:33

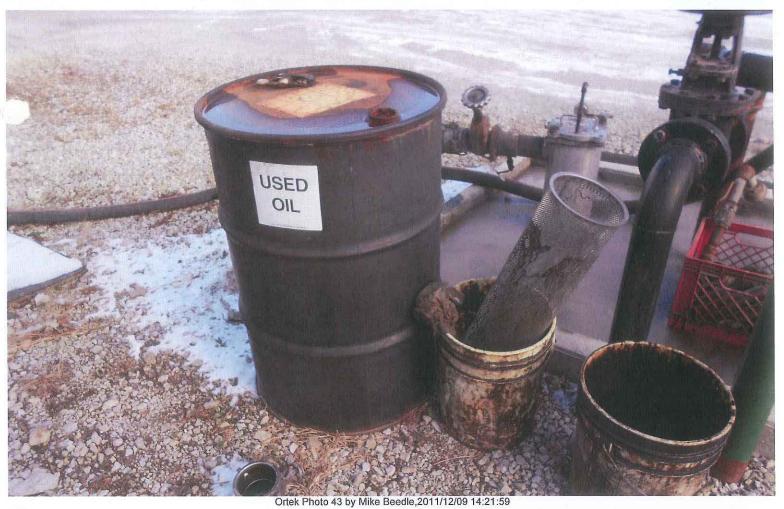


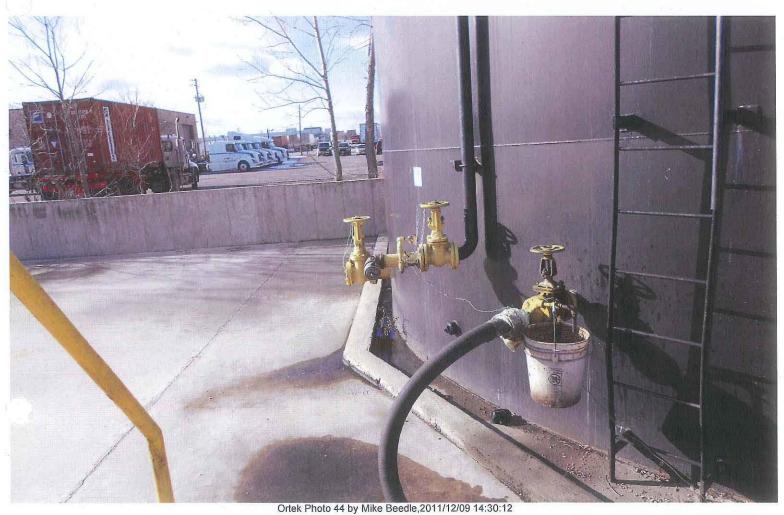
Ortek Photo 40 by Mike Beedle, 2011/12/09 14:19:26

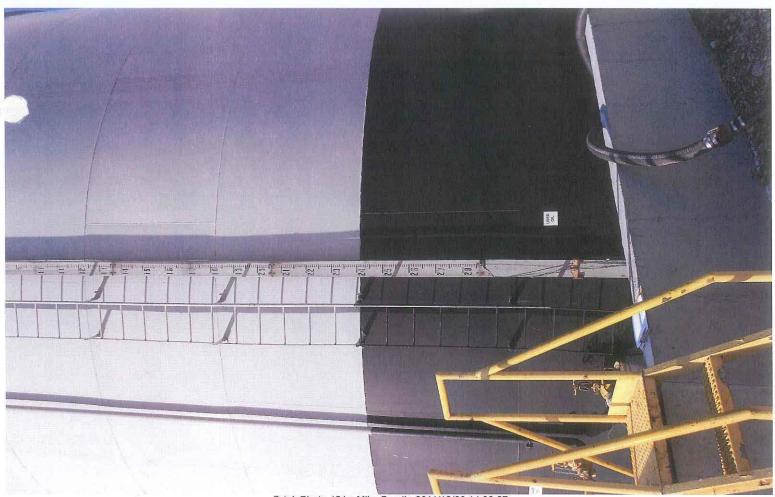


Ortek Photo 41 by Mike Beedle,2011/12/09 14:19:36

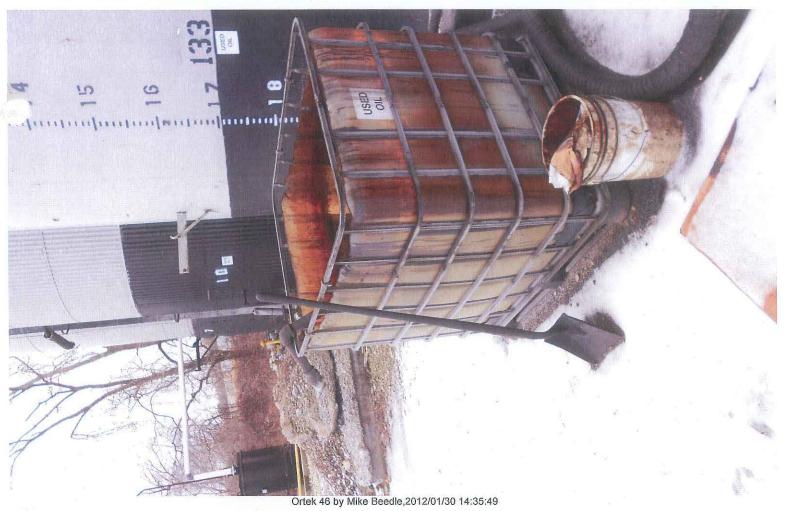


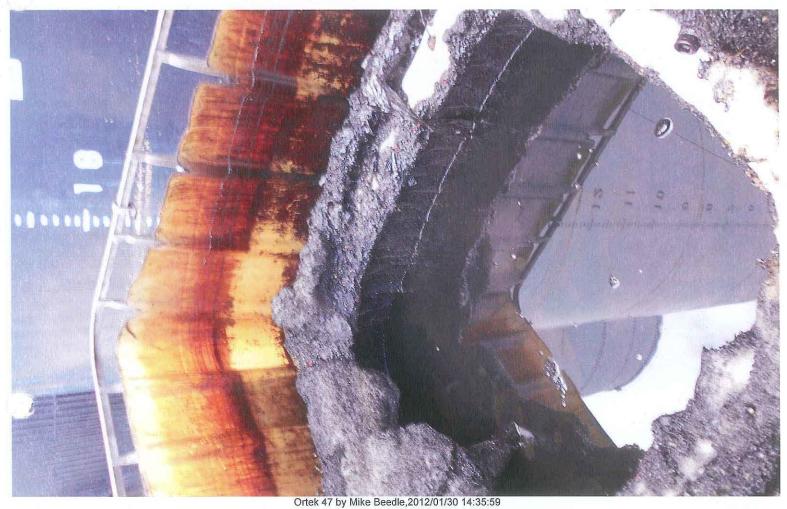


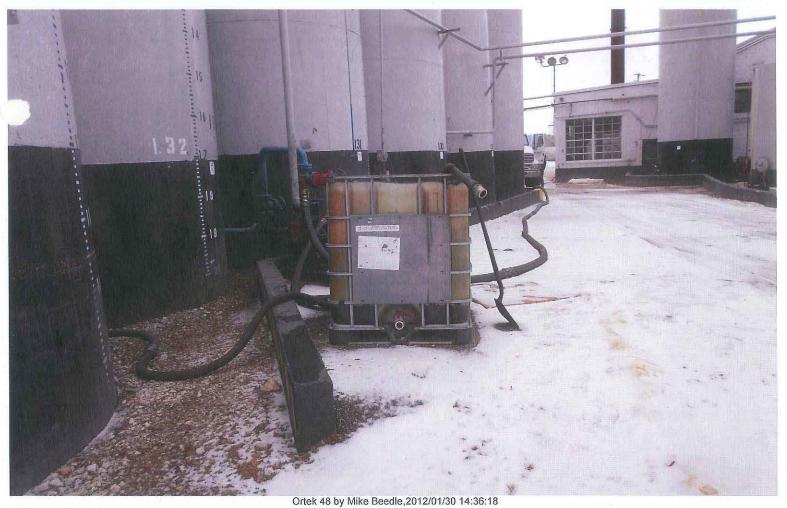




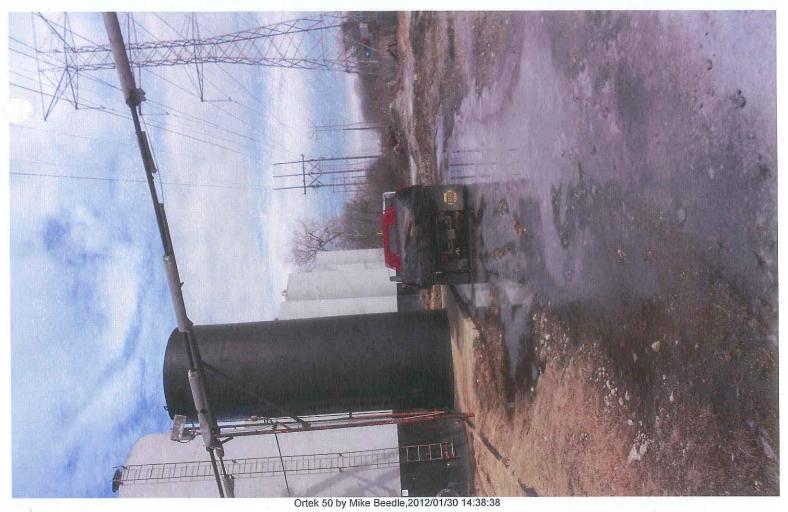
Ortek Photo 45 by Mike Beedle,2011/12/09 14:30:27



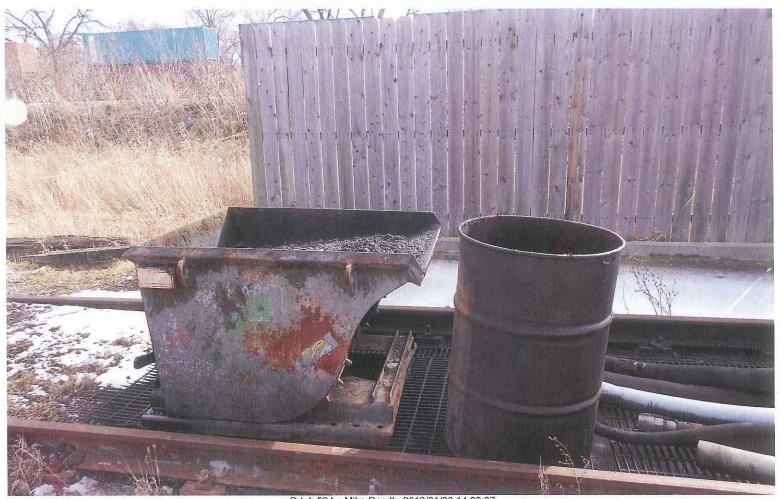












Ortek 52 by Mike Beedle, 2012/01/30 14:39:37



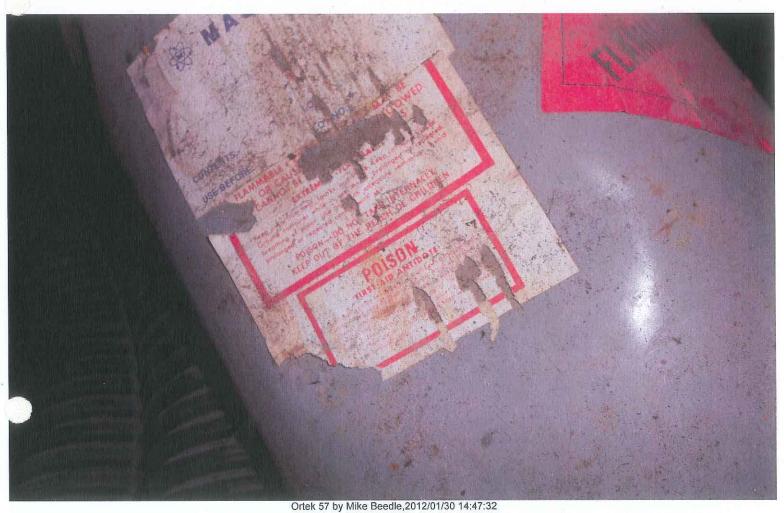
Ortek 53 by Mike Beedle,2012/01/30 14:42:25

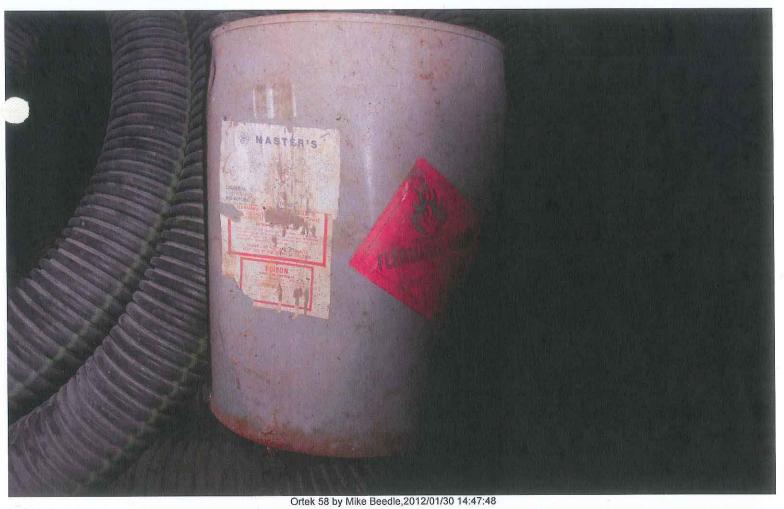


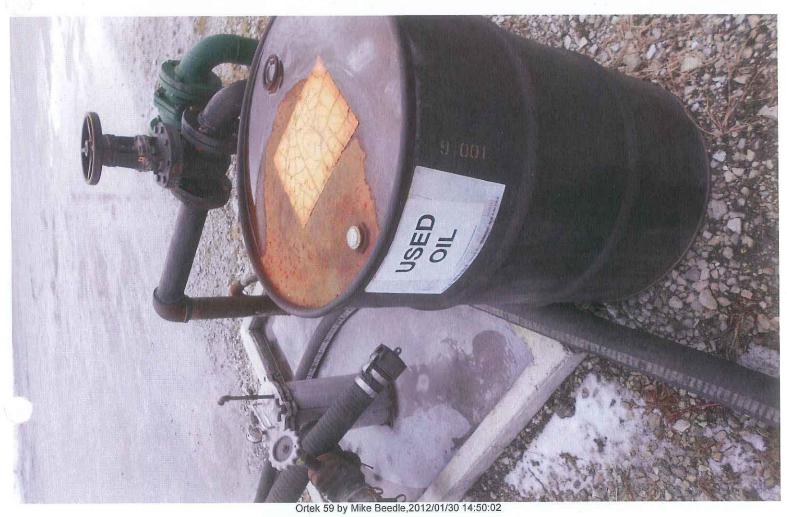
Ortek 54 by Mike Beedle,2012/01/30 14:42:30





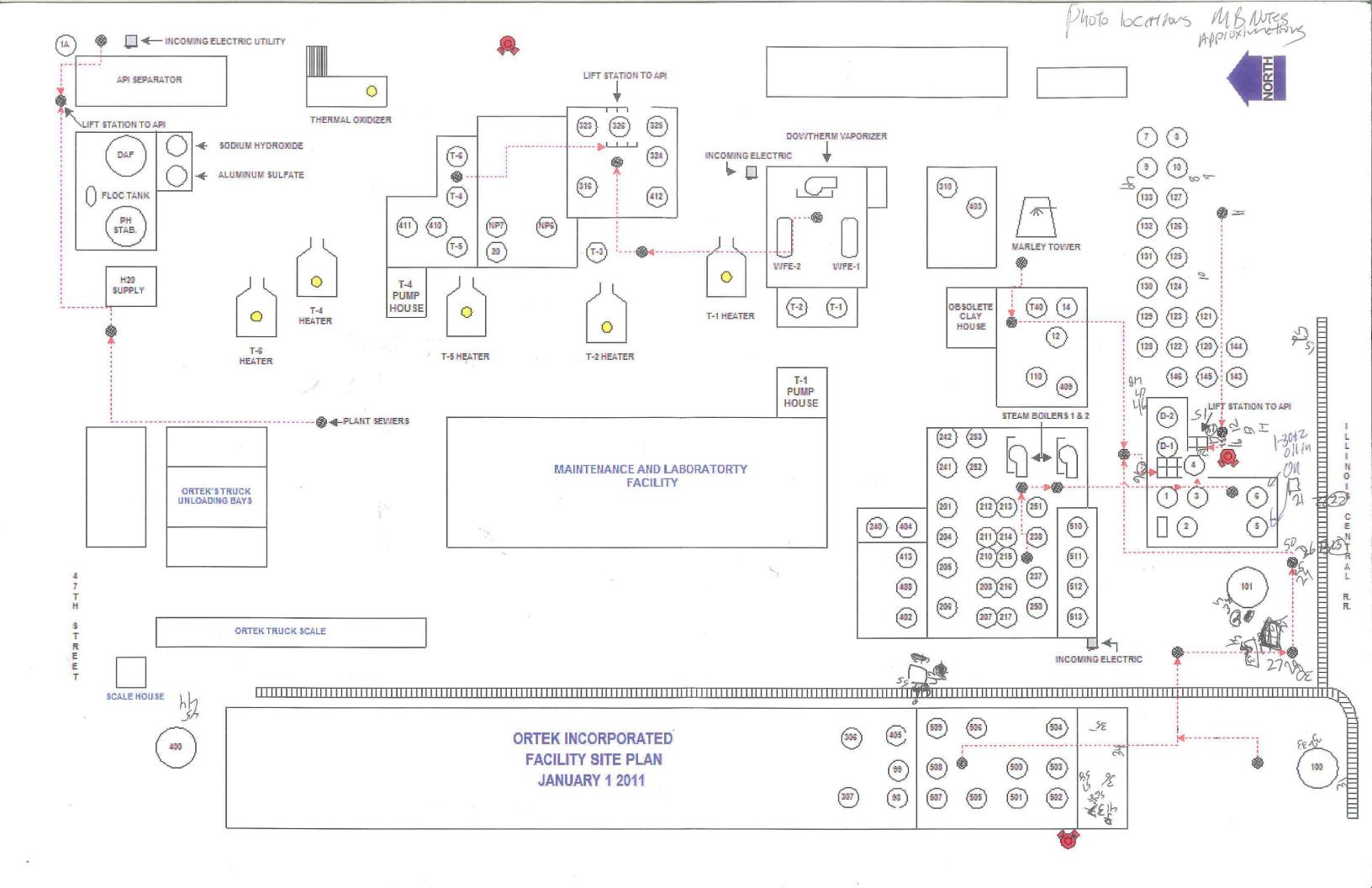


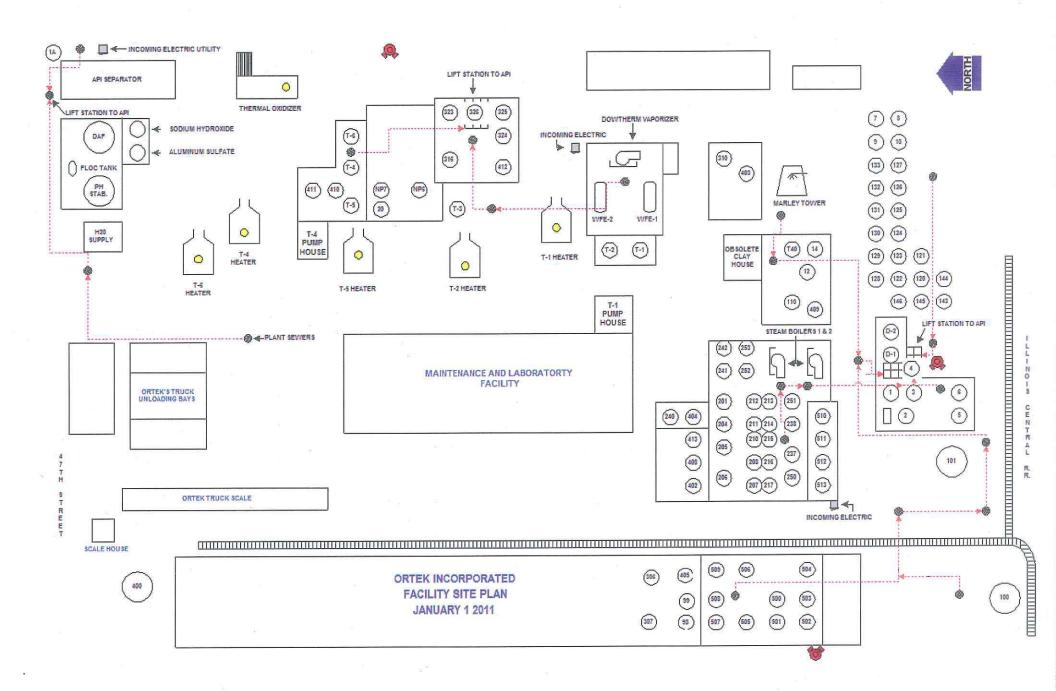




# ATTACHMENT B

Site Diagram





# ATTACHMENT C

**RS Hazardous Waste Shipments** 

SUSED	OIL SERV	ICES OUI	BOUND TANK #14	6 - #122 - #12			11/1/2011	
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2	11/2/2011	97000	Ziron Environmental	146	5125	81-07	1528686	Wet (
3	11/7/2011	97035	Ziron Environmental	146	5490	81-07	1528724	Wet (
4	11/8/2011	97045	Ziron Environmental	146 & 122	5229	81-07	1528725	Wet (
5	11/9/2011	97061	Ziron Environmental	122	5447	81-07	1528726	Wet
66	11/10/2011	97076	Ziron Environmental	122	5395	81-07	1528727	Wet
7	11/11/2011	97090	Ziron Environmental	122 & 120	5433	81-07	1528729	Wet 0
8	11/14/2011	97103	Ziron Environmental	120	3749	81-07	1528730	Wet
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Subject: Contact information

From:

BILL KENNEDY (BILL@rsusedoil.com)

To:

akalmar@r3environmental.net; taylorlw57@yahoo.com;

Date:

Friday, October 28, 2011 11:40 AM

Good morning Alan/Laurie,

This e-mail is intended to provide contact information for all parties.

Alan Kalmar

R3 Environmental

Non-responsive (Cell)

Laurie Witter

Ortek

708-762-5119 (Office)

Alan, please reach out to Laurie and discuss a time for loading product.

The tanks R3 will be taking are:

T-120 with approximately 14,000 gallons

T-122 with approximately 18,000

gallons

T-146 with approximately 19,000

gallons

Laurie, I am working with operations in Monee and should be able to move tanks 132

and 500 within a few weeks.

Please do not hesitate to call me if there are any questions or concerns.

Have a good weekend, Bill



William J Kennedy | Director, Safety & Compliance Universal Lubricants, LLC
708.534.9300 Phone = 708.935.6111 Mobile
708.534.9400 Fax==

Universallubes.com | EcoUltraOil.com

601 WEST 47<sup>TH</sup> STREET MCCOOK, ILLINOIS 60525

PHONE: (708) 762-5117 FAX: (708) 762-5118





To:	Latishia	From:	Laurie Witter	
Co:	Universal Scientific	Pages:	(6) including co	over page
Fax:	316-832-3777			
Phone:		Date:	Nov. 3, 2011	D-10-1-7
Re:	· · · · · · · · · · · · · · · · · · ·	cc:	·	
X Urge	nt 🗆 For Review	☐ Please Comment	☐ Please Reply	☐ Please Recycle

Per our conversation 11/3/11.

This product is scheduled to be picked-up by R.S. Used Oil. Product did not meet specs.

Thank you, Laurie

CONTRACTION

ORTEK INC.

DRIVER'S COPY

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### **Account Statement**



RS Used Oil Services, Inc 25903 S. Ridgeland Avenue Monee IL 60449

708 534 9300

Page: 1 of 1

Document Information

Statement Date:

07/07/2011

Acct Statement Period:

06/01/2011 -

06/30/2011

Billing Address: 28036-000

ORTEK OIL CO 7604 W 47TH ST MCCOOK IL 60525 US

Invoice Number Text/Reference	Doc Type	Document Date	Arrears On 06/30/2011	Amount
Open items on 06/30/2011: 0010330093 0010336581 0010342589 0010345386	01 01 01 01 01 01 01 01	02/14/2011 03/07/2011 03/25/2011 04/05/2011 04/14/2011 05/02/2011 05/06/2011 05/09/2011 05/17/2011 05/27/2011	126 105 87 86 77 59 55 42 34	11,179.35 802.90 1,239.00 1,650.00 6,546.90 4,154.27 514.03 4,001.40 3,180.60 1,245.60
Balance on 06/30/2011				34,514.05
Sent back or offste on per Lourse Wester y	un BB	7 mifsts 12/14/11		\$ 16,117.45 Que
* K5397.				(C) State

Document Type: 01 = Invoice; 03 = Finance Charge; 06 = Partial Payment; 11 = Credit Memo; 15 = Payment

CURRENT	OVERDUE 1 - 30	OVERDUE 31 - 60	OVERDUE 61 - 90	OVERDUE 91+	ACCTE	BALANCE
0.00	1,245.60	11,850.30	9,435.90	11,982.25	\$ 34	4,514.05

## ATTACHMENT D

RS Used Oil 4/14/11 Shipment Information

ORIGKING. 95306 ACCOUNTING COPY 7601 West 47th Street, McCook, Illinois 60525 35 USED OIL Truck No. Address & Rail Car No. Unloaded Carrier 12 Ву S H STATE OF THE S Gross Wolaht: Tare Weldht: Tel Welcht: ANALYSIS 77500 GROSS 77500 lb 00 16 B.S. & W. 29640 TARE 77500 lb VIS @ 100 O NET 14 494, 2011 14:19:19 FUEL DEL CHLORINE 500 Type Oil Gross Gals. Net Gals.

> Driver's Signature

WEIGHER

SHIPPER

### Invoice



RS Used Oil Services, Inc 25903 S. Ridgeland Avenue Monee IL <u>60449</u> 708 534 9300

INTERNAL USE ONLY: 633-546-1-1

Page: 1 of 1

Information

Invoice Number: **Document Date:** 

10350633 04/14/2011 500360926

**Delivery Note:** Order number: Purchase Order No:

100369199 55112

Payment Terms:

Purchase Order Date: 04/14/2011 **CASH UPON** 

DELIVERY

Billing Date:

04/14/2011

Invoice Amount:

6,546.90 USD

Ship-to: 28036-000

ORTEK OIL CO 7604 W 47TH ST MCCOOK IL 60525 7087625117

#### PLEASE RETURN ONE COPY OF INVOICE WITH PAYMENT \* \* \*

Billing Address: 28036-000 (Acct No)

ORTEK OIL CO 7604 W 47TH ST MCCOOK IL 60525

#### Remit Payment To

RS Used Oil Services, Inc. PO Box 2920 Wichita, KS 67201-2920

#### Shipping Instructions:

Material Description	Order Qty	Invoice Qty	Unit Price	Amount
1000005748 RS USED OIL	6,381 GAL	6,381 GAL	0.95	6,061.95
Cust. Material No.: WO# 55112			Тах	484.9
			Total	\$ 6,546.90
A 4/14/11				

### RS Used Oil Services, Inc.

#### SERVICE ORDER

25903 South Ridgeland Ave.

Location Performing Service

Date:

04/14/2011

534-9300 Fax: (ID # ILR000103: OT # 758189	(708) 534-9400 184	ones, 11.604 06) 534-830 76 IT: # 11.RC	<b>49</b> 1		Manifes Route#	· · · · · · · · · · · · · · · · · · ·	
Generator/Cus Name:	tomer/Job Site: ORTEK OIL CO.	TOTAL TERROR TO THE TOTAL	Contract Name:	or:	ORTEX OIL		
Address:	7804 WATTH STREET		Address:		7001 WATTE	STREET	
City, State, Zip:	NC COOK	#D525	City, Stat	e, Zip:	NG COOK		n 80520
Phone Number	708-782-5117		Phone No	umber:	708-782-511	r L	·
Purchase Orde	r Number:		Burner's	USEPA II	<b>)</b> #:		
Quantity	Description		Unit Price	Total	Gross	Tare	Net
	Non-Hazardous Used Oil Collecte	ed			r r		
andraksin (SSENIA 1880-1845) (SSENIA 1880) (SSENIA 1880)	Non-Hazardous Oily Water			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
	Non-Hazardous Contaminated O	il Collected			a managaman ang kalang mina kandisika kina Milikak MANA Milian kandisik		
	Service Charge		-				,
	Hourly Charge	. I.,					
	Drum(s): Used Oil Filters						
	Drum(s): Non-Hazardous Solids	/Liquids		100			
<b>的</b> 罗勒 公公	On-Spec Used Oil Delivered		,95	\$6,00	19977500	29640	47860
			•				
				1 9			

a hazardous waste listed under 40 CFR 261.30 - 261.33 and is non-hazardous according to 40 CFR a nazargous waste risted: under 40 CFR 261.39 - 201.33 and is non-hazargous according to 40 CFR 261.1- 261.20. Thereby declare that the contents of this consignment are fully and accurately described by the proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. I hereby certify that to the best of our knowledge, this company and facility does not generate waste that would require submittals of a Special Waste Disposal Request Form. Additionally, upon generating such wastes, we will notify in writing RS Used Oil Services, Inc. and submit all request forms. Disposal of such materials will be performed upon approval of RS Used Oil Services, inc. Used oil contained within non-hazardous special waste collected in LA is subject to regulation by the LA DEQ under LAC Gov. Chapter 41, Subpart C. Emergency Response Number: National 1-800-424-8802. T.N.R.C.C. 1-512-239-1000

I hereby certify that the above description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compositions or properties exists and that the waste is not designated a hazardous waste by the USEPA or any state agency pursuant to the RCRA of 1976 or contains PCB's regulated by TSCA, 40 CFR 761.

Customer agrees to pay a late charge of 1% per month on any invoice, which is not paid within 30 days of invoice date. Customer also agrees to pay any attorney's fees and court costs in the event it becomes necessary to initiate legal proceedings to collect the invoice.

Printed Customer Name	Diffee co	ustomer Signature	Date 4/14/11
Arrival Time:	Begin Loading:	End Loading:	Depart Time:
Remarks:		Next Service Date: Oil	Filter
Driver Name	W	Driver Signature <u>Wdd</u>	2
Office Use Only		Office Use Only	
Payment Received From Amount 56,061	n Customer Yes No (To Be Invo Check Cash	Amount	Check Cash Credit Card

International Recommends   Control C	lease pi	rint of type. (Form desig	ried for use on elite (12-pitch) type	ewriter.)							Approved. ON	IB No. 20	50-0039
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## RS Used Oil Services, Inc.

### SERVICE ORDER

Cash Credit Card

Check

25903 South Ridgeland Ave. Monee; Illinois 60449 (708) 534-9300 Fax: (708) 534-9400 EPA ID # ILR000103184

Location Performing Service 25503 S. Ridgeland Ave.

Monae, IL 80449

Date:

Manifest#

OOT # 758189	(708) 534 EPA ID #	9900 ILIRO00109184		Route#		
Generator/Cus Name: Address:	tomer/Job Site: ORTEK OIL CO. 7801 W 47TH STREET	Contract Name: Address:		PRTEK OIL C		
City, State, Zip:	MC COOK IL 18951	City, Stat	e, Zip:	AC COOK		IL 8052
Phone Number	708-702-5117	Phone N	umber.	708-702-5117		
Purchase Orde	Number.	Burner's	USEPA ID			
Quantity	Description	Unit Price	Total	Gross	Tare	Net
	Non-Hazardous Used Oil Collected Non-Hazardous Oily Water Non-Hazardous Contaminated Oil Colle	etéd .				
	Service Charge Hourly Charge Drum(s): Used Oil Filters Drum(s): Non-Hazardous Solids/Liquid					
6996 (n	On-Spec Used Oil Delivered			77500	29640	47860
a hazardous waste its fully and accurately de according to applicable company and facility of nothy in writing RS Us contained within non-	i. I, the generator (or agent for) of this product, heraby cated under 40 CFR 261.30 - 261.33 and is non-hazardous a scribed by the proper shipping name and are classified, perinternational and national government regulations, includes not generate waste that would require submittals of a sed Oil Services, inc. and submit all request forms. Dispossazardous apacial waste collected in LA is subject to regulations. National 1-800-424-8802. T.N.R.C.C. 1-512-2:	according to 40 CFR 281 adked, marked and labe ting applicable state reg Special Waste Disposa all of auch materials will ation by the LA DEC un	1-261.20. The led, and are in a pletions, I here Request Form be performed u	ereby declare that the all respects in prope by certify that to the Additionally, upon pon approval of RS	e contents of this condition for tra best of our know generating such Used Oll Service	consignment a report by highw ledge, this wastes, we will
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Printed Customer I		omer Signature	<b>给</b> 政	4	Date_	<u> /14/11</u>
Arrival Time: Remarks: ranker	Begin Loading		01 (^) (X/k)	De Flite	part Time:	
Driver Name Office Use On		Driver Signat Office Use				

Amount\_

Cash

Payment Received From Customer Yes No (To Be Invoiced)

Amount

Check

RS

USED OIL SERVICES, INC.

### FACSIMILE TRANSMITTAL SHEET

TO: LAURIE	FROM: DAN
FAX. NUMBER: 762-5118	DATE: 4(19/11
COMPANY:	TOTAL NO. OF PAGES INCLUDING COVER:
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
RE:	YOUR REFERENCE NUMBER:
NOTES/COMMENTS:	
REBUTTAL FOR	R MATERIAC COMING IN
THIS AFTERNOO	oN.

25903 S. RIDGELAND AVE. • MONEE, IL. 60449 PHONE: 708-534-9300 • FAX: 708-534-9400

### HP LaserJet M2727nf MFP

# Fax Confirmation Report

HP LASÉRJET FAX 17087625118 Apr-13-2011 1:45PM

JobDateTimeTypeIdentificationDurationPagesResult1954/13/20111:44:56PMReceive170853494000:554OK

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<u>.</u>	USED OIL SERVICES, INC.	
	FACSIMILE TRANSMITTAL SHEET	
	TO. LAURIE FROM DAN  FAXNUMBER: 762-5118 DATE: 4/14/11	
,	FAX NUMBER: 762-5118 DATE: 4/14/11  COMPANY: TOTAL NO, OF PAGES INCLUDING	
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25903 S. RIDGELAND AVE. + MONEE, IL. 60449 PHONE: 708-534-9300 + FAX: 708-534-9400 ENVIRONMENTAL TECHNOLOGIES, INC.

Analytical Laboratories

103/31/2011 17:20 #254 P.006/008 For tank 500

Page 4

March 31, 2011

Client:

RS Used Oil Service, Inc.

Address:

25903 S.Ridgeland

Monee, IL 60449

Date Collected:

03/29/2011

Date Received:

03/30/2011

Project #:

Rock Ford Products

Client ID #:

RP32911

Laboratory ID #: 1105928-01

RF32911

Matrix:

Liquid

Parameter % Water	Method D6304	<u>Results</u> 2.41%	Date of Analysis 03/31/2011
API	D4052	24.0	03/31/2011
Arsenic	6010	<1.0ppm	03/30/2011
Ash	D482-02	0.55%	03/31/2011
BTU/gal	D-240-09	136381/gal	03/31/2011
BTU/lb	D-240-09	17997/lb	03/31/2011
Cadmium	6010	0.29ppm	03/30/2011
Chromium	6010	<4.0ppm	03/30/2011
Flash Point	1010	>200°F	03/30/2011
Lead	6010	4.6ppm	03/30/2011
PCB	8082	<1.0ppm	03/30/2011
Sulfur, Wt%	D-4294	0.8847%	03/31/2011
Total Halogen, PPM	9075	6824ppm	03/31/2011
Viscosity SUS@100F	D-445	369	03/31/2011
170			

03/31/2011 17:21

#254 P.007/008



March 31, 2011

Page 5

Client:

RS Used Oil Service, Inc.

Address:

25903 S.Ridgeland

Monee, IL 60449

Date Collected:

03/29/2011 03/30/2011

Date Received:

Rock Ford Products

Project #: Client ID #:

RP32911

Laboratory ID #: 1105928-01

Analysis:

Chlorinated VOC

Method:

8260

Matrix:

Liquid

Date of Analysis: 03/30/2011

Analyst:

MS

#### Chlorinated VOC

Parameter	Reporting Limit (ppm)	Results (ppm)
1,1,1,2-Tetrachloroethane	5.0	BRL
1,1,1-Trichloroethane	5.0	BRL
1,1,2,2-Tetrachloroethane	5.0	BRL
1.1,2-Trichloroethane	5.0	BRL
1,1-Dichloroethane	5.0	BRL
1,1-Dichloroethene	5.0	BRL
1,1-Dichloropropene	5.0	BRL
1,2,3-Trichlorobenzene	5.0	BRI.
1,2,3-Trichloropropane	5.0	BRL
1,2.4-Trichlorobenzene	5.0	BRL
1,2-Dibrome-3-chloropropane	5.0	BRL
1,2-Dichlorobenzene	5.0	BRL
1,2-Dichloroethane	5.0	BRL
1,2-Dichloropropane	5.0	BRL
1,3-Dichlorobenzene	5.0	BRL
1,3-Dichloropropane	5.0	BRL
1,4-Dichlorobenzene	5.0	BRL
2,2-Dichloropropane	5,0	BRL
2-Chlorotoluene	5.0	BRL
4-Chlorotoluene	5.0	BRL
Bromochloromethane	5.0	BRL
Bromodichloromethane	5.0	BRL

"Analytical Integrity" · EPA Certified · NELAP Certified 3310 Win Street · Cuyahoga Falls, Ohio 44223 · Phone: 330-253-8211 · Fax: 330-253-4489 Web Site; www.settek.com

From:

03/31/2011 17:21

#254 P.008/008



March 31, 2011

Page 6

Client:

RS Used Oil Service, Inc.

Address:

25903 S,Ridgeland Monee, IL 60449

Date Collected:

03/29/2011

Date Received:

03/30/2011

Project #: Client ID #: Rock Ford Products

RP32911 Laboratory ID #: 1105928-01

Analysis:

Chlorinated VOC

Method:

Marrix:

8260

Liquid

Date of Analysis: 03/30/2011 Analyst:

MS

#### Chlorinated VOC

	<u> </u>	
<u>Parameter</u>	Reporting Limit (ppm)	Results (ppin)
Carbon Tetrachloride	5.0	BRL.
Chlorobenzene	5.0	BRL.
Chloroethane	5.0	BRL
Chloroform	5.0	BRL
Chloromethane	5.0	BRL
cis-1,2-Dichloroethene	5.0	BRL
Dibromochloromethane	5.0	BRL
Dichlorodifluoromethane	5.0	BRL
Hexachlorobutadiene	5.0	BRL
Methylene Chioride	5.0	BRL
Tetrachloroethene	5.0	BRL
trans-1,2-Dichloroethene	5.0	BRI.
Trichloroethene	5.0	BRL
Trichiorofluoromethane	5.0	BRL
Vinyl Chloride	5.0	BRL
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	5.0	BRL

# ATTACHMENT E

**Orteck's Notification** 

Report run on:

December 16, 2011 - 5:51 PM

.PA Region:05 Extract: Y County: Co	OOK				State	District:	
Universes Federal Generator: N State Generator: N Short Term Generator: N Subpart K/College: N	Transporter: Importer: Mixed Waste Gene Subpart K/Hospital:	N N ator: N N	Commi	ing TSDF: ercial: t K/Non-pro	N N N offt: N	Active: Y El Indicator (HE / GW): N IC In Place: N Subpart K/Withdrawal: N	I / N I
atitude/Longitude Measure - Owner: Coordinates:	Seq #:		. 11	~~~~			
	e: Implementer		Seq. Nu	mber: 1			
Location 7601 W 47TH ST Address: MC COOK, IL 60525		ATTIMATA NA NINA NA NINA NINA NINA NINA NINA	Mailing Address:	7601 W 4 MCCOOK UNITED S	, IL 6052	5	
Contact Person LOWELL D. AUGHENE For Source (708) 762-5117 information	MCCO	47TH ST OK, IL 605 D STATES				·	
wner (current) AWRC rom: 10/01/2003 To:	7601 W 47 MCCOOK, MCCOOK					Type: Private Phone: (412) 856-6100	
perator (current) RTEK INC rom: 12/15/1996 To:	7601 W 47 MCCOOK MCCOOK	IL 60525				Type: Private Phone: (708) 762-5117	
and Type: Private Non Not	ifier: No	TSD	Date:	·	Acc	essibility:	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
NAICS Codes: 562219 OTHER NONHAZ/ Regulated Waste Activities Hazardous Waste Generator Status - Federal:	ARDOUS WASTE TRE	aruser Muridhisk	AND DISPOS		sylesteralisi Suesteralisi		SECURE SE
Other Hazardous Waste Generator Activities	1	d Oil Activ	rities			······································	<del>-10-11-100</del>
Short Term Generator: Importer Activity: Mixed Waste Generator:	No	Transport		No	•	cification Used Oil Burner:	N
Fransporter Activity: Fransfer Facility: FSD Activity: Recycler Activity:	163	Transfer F ed Oil Prod refiner Ac	essor and/or	No	Mar off-s	keter who directs shipment specification used oil to specification used oil burner:	Υє
xempt Boiler and/or Industrial Furnace		Processor Refiner:	r:	No	Mar	keter who first claims the use	ed
Small Quantity Onsite Burner Exemption: Smelting, Melting, Refining Furnace Exemption:	No Su	bpart K		Yes	oil n	neets the specifications:	Ye
la de constant de la la Maria De La	No	College/U	niversity:	No	Nor	n-profit Research Institute:	N
Underground Injection Control:							

Report run on: December 16, 2011 - 5:51 PM

Receive Date: 01/26/2004 Source Type:	Notification	Seq. Nur	nder: 2		
Location 7601 W 47TH ST Address: MC COOK, IL 60525		Mailing Address:	7601 W 4 MCCOOK UNITED	C, IL 60525	
Contact Person LOWELL D. AUGHENBAU For Source (708) 762-5117 Information	MCCOO	47TH ST K, IL 60525 STATES			
Owner (current) NAWRC From: 10/01/2003 To:	7601 W 47TI MCCOOK, IL MCCOOK			Type: Private Phone: (412) 856-6100	
Operator (current) ORTEK INC From: 12/15/1996 To:	7601 W 47T MCCOOK, IL MCCOOK	··-·		Type: Private Phone: (708) 762-5117	
				-1 1814	
NAICS Codes: 562219 OTHER NONHAZAR Regulated Waste Activities	DOUS WASTE TREA	TSD Date:		Accessibility:	
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Description of Hazardous Wastes (as reported on Site Identification Form)

EPA Waste Codes: D002 D008 K048 K049 K050 K051 K052

Report run on: December 16, 2011 - 5:51 PM

eceive Date: 07/30/1997 Source T	/pe: Notification	n Seq. Numb	er: 1		111111111111111111111111111111111111111
Other/Previous Site Name: ORTEK INCOPORA	NTED				
Location 7601 W 47TH ST Address: MC COOK, IL 60525		, ,		47TH ST K, IL 60525	
Contact Person FRANK LAPPIN For Source (708) 442-6000 Information	7601 W 47TH MCCOOK, IL 6 UNITED STAT	50525			
Owner (current) ORTEK INC From: To:		1 W 47TH ST COOK, IL 60525		Type: Private Phone: (412) 856-6100	
Land Type: Private Non N	otifier: No	TSD Date:		Accessibility:	***************************************
Regulated Waste Activities					
Hazardous Waste Generator Status - Federa	I: Small Quantity	Generator; State:			
Other Hazardous Waste Generator Activities	NI.	Used Oil Activities			
Short Term Generator: Importer Activity:	No No	Used Oil Transporter Activity		Off-Specification Used Oil Burner:	No
Mixed Waste Generator:  Transporter Activity:	No No	Transporter: Transfer Facility:	No No	Used Oil Fuel Marketer Activity	
Transfer Facility: TSD Activity: Recycler Activity:	No Yes No	Used Oil Processor and/or Re-refiner Activity	140	Marketer who directs shipment off-specification used oil to off-specification used oil burner:	Yes
Exempt Boiler and/or Industrial Furnace	L. W. S. W.	Processor:	No	Marketer who first claims the used	
Small Quantity Onsite Burner Exemption: Smelting, Melting, Refining Furnace	No	Refiner:	Yes	oil meets the specifications:	Yes
Exemption:	No	Subpart K			
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Underground Injection Control:	No	College/University:	No	Non-profit Research Institute:	No

escription of Hazardous Wastes (as reported on Site Identification Form)

EPA Waste Codes: D002 D008 K048 K049 K050 K051 K052

Report run on:

December 16, 2011 - 5:51 PM

	/18/1980 Source Type	ı: Part A		Seq. Ni	ımber: 1		
Other/Previous Site	Name: ORTEK INCOPORATE	D					
	W 47TH ST COOK, IL 60525		,,,,,,,	Mailing Address:	7601 W 4 MCCOO	47TH ST K, IL 60525	, , , , , , , , , , , , , , , , , , ,
Contact Person For Source Information	BRIAN MCEWAN (312) 442-6166	7601 WEST MCCOOK, IL UNITED STA	60525	Т			
Operator (current) MORECO ENERGY From:				47TH ST REPORTED, IL 99998	THE PARTY OF THE P	Type: Private Phone: (312) 242-2252	
Land Type: Private	e Non Notif	ier: No		TSD Date:	······································	Accessibility:	
NAICS Codes:	324191 PETROLEUM LUBF	RICATING OIL	AND G	REASE MANUFACTU	RING		Water Williams
Regulated Waste /	Activities Generator Status - Federal: N	lot a Generato	r: State	: HQ-N Not a Genera	SEPARATANA SALA SOS SERVICIOS SALAS SOF		
	Vaste Generator Activities		,	I Oil Activities			N. S. P. L. V.
Short Term Ger Importer Activity	<b>y</b> :	No No	L	d Oil Transporter Activ	ity	Off-Specification Used Oil Burner:	No
Mixed Waste G	······································			Transporter: Transfer Facility:	No No	Used Oil Fuel Marketer Activity	
Transporter Activity Transfer Facility: TSD Activity: Recycler Activity:	y:	No No Yes No	Use	riansier Facility. d Oil Processor and/or refiner Activity		Marketer who directs shipment off-specification used oil to off-specification used oil burner:	No
•	or Industrial Furnace			Processor: Refiner:	No No	Marketer who first claims the used	
	Onsite Burner Exemption: ng, Refining Furnace	No No		ppart K	140	oil meets the specifications:	No
	the second second	No		College/University:	No	Niew was St. Dannersk Institute.	N
Lie de servicio di lei e d						Non-profit Research Institute:	IV.
Underground Inject						Withdrawal	ı
- ,	for Universal Waste:	No		Teaching Hospital:	No	Withdrawal:	١.
- ,						Withdrawal:	١.
Other Permits: Number 14154002139	p for Universal Waste:  Description 14154002139	No Owner HQ	Type Q	Teaching Hospital:  Type Description CDS		Withdrawal:	Λ.
Other Permits: Number 14154002139 14154092139	Description 14154002139 14154092139	No Owner HQ HQ	Type Q Q	Teaching Hospital:  Type Description  CDS  CDS	No	Withdrawal:	<i>.</i>
Other Permits: Number 14154002139 14154092139 1980-2-OP	Description 14154002139 14154092139 1980-2-OP	No Owner HQ HQ HQ	Type Q Q Q Z	Teaching Hospital:  Type Description  CDS  CDS  Other non-federal pro	No gram	Withdrawal:	Λ.
Other Permits: Number 14154002139 14154092139 1980-2-OP 991109	Description 14154002139 14154092139 1980-2-OP 991109	No  Owner  HQ HQ HQ HQ	Type Q Q Z Z	Teaching Hospital:  Type Description  CDS  CDS  Other non-federal pro Other non-federal pro	No gram gram	Withdrawal:	ħ.
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Other Permits: Number 14154002139 14154092139 1980-2-OP 991109 991155 991156	Description 14154002139 14154092139 1980-2-OP 991109 991155 991156	No Owner HQ HQ HQ HQ HQ	Type Q Q Q Z Z Z Z	Type Description CDS CDS Other non-federal pro	gram gram gram gram gram	Withdrawal:	Λ.
Other Permits: Number 14154002139 14154092139 1980-2-OP 991109 991155 991156 991157	Description 14154002139 14154092139 1980-2-OP 991109 991155 991156 991157	No Owner HQ HQ HQ HQ HQ HQ	Type Q Q Z Z Z Z Z	Type Description CDS CDS Other non-federal pro	gram gram gram gram gram gram	Withdrawal:	λ.
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Other Permits: Number 14154002139 14154092139 14980-2-OP 991109 991155 991156 991157 991158 991160	Description 14154002139 14154092139 1980-2-OP 991109 991155 991156 991157 991158 991160	No Owner HQ HQ HQ HQ HQ HQ HQ	Type Q Q Z Z Z Z Z Z	Type Description CDS CDS Other non-federal pro	gram gram gram gram gram gram gram gram	Withdrawal:	<b>^</b> .
Other Permits: Number 14154002139 14154092139 14980-2-OP 991109 991155 991156 991157 991158 991160	Description 14154002139 14154092139 1980-2-OP 991109 991155 991156 991157 991158	Owner HQ HQ HQ HQ HQ HQ	Type Q Q Z Z Z Z Z Z	Type Description CDS CDS Other non-federal pro	gram gram gram gram gram gram gram gram	Withdrawal:	ř.

Description of Hazardous Wastes (as reported on Site Identification Form)

EPA Waste Codes: D008

<sup>\*</sup> End of Report \*

# ATTACHMENT F

RS Used Oil Services'
Notification

0311745675

OMB# 2060-0024; Expires 11/30/2011

FOI The	MPLETED 3M TO: Appropriate a or Regional	United States Environmental Protection A RCRA SUBTITLE C SITE IDENTIFICATION	
1.	Reason for Submittal	Reason for Submittel:  El To provide an Initial Notification (first time submitting site identification for this logistion)	on information / to obtain on EPA ID number
8	MARK ALL QX(ES) THAT APPLY	☐ To provide a Subsequent Notification (to update site identification in ☐ As a component of a First RCRA Hazardous Waste Part A Permit A☐ As a component of a Revised RCRA Hazardous Waste Part A Perm ☐ As a component of the Hazardous Waste Report (If marked, see subsequently a	pplication lit Application (Amendment #)
*****		Cishe was a 1130 facility and/or generator of ≥1,000 kg of hazerdous seaste splil cleanup <u>in one or more or</u> LOG regulations)	us waste, >1 kg of acute hazardous waste, or tonths of the report year (or State equivalent
2	Site EPA ID Number	EPA 10 Number (LILIRODO) 1160147181	
Э.	Site Mame	Name: RS Used Oil Services, Inc.	
4.	Site Location	Street Address: 7601 W. 47th St.	
	Information	City, Town, or Village: McCook	County: / Cook
		State: IL Country: USA	Zip Code: 60525
6.	Site Land Typs	☐ Private ☐ County ☐ District ☐ Federal ☐ Tribal	O Municipal O State O Other
6.	NAICS Code(a) for the Site	A C,	
	(at lezat 5-digit codes)	a. [ ]	
7.	Site Nailing	Street or P.O. Box: 25903 S. Ridgeland Ave.	
	Address	City, Town, or Village: MONRE	
		State: IL Country: USA	Zp Code; 60449
8.		Piret Name; William su; J. Last; Kennedy	
	Person	Title: Director of Safety & Compilance	ACCOUNTY
		Street or P.O. Box: 25903 S. Ridgeland Ave.	***************************************
	•	City, Town or Village: The Mones	, minus (A 1/2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
		State: IL Country: USA	Zip Gode: 60449
		Email: bill@rsusedoll.com	
<u> </u>		Phone: 708-634-9300 Ext.:	Fax: 708-534-9400 Data Became 07/04/2003
3.	Legal Owner and Operator	A. Name of Site's Legal Owner: North American Waste Refining	
	of the Site	Owner Type: Private C County C District C Federal C Tri	Del C Municipal C State C Other
-		Street or P.O. Box: 7801 W. 47th St.	Phone: 412-858-8100
		Gity, Town, or Village; McCook	
		State: IL Country: USA	Zip Code: 60525 Oate Secame 07/04/2003
		B. Name of Site's Operator: Ortok, Inc.	Carabac
		Operator Type:  Private   County   Classic   Federal   CTri	bal OMunicipal OState OOther

EPA Farm 8700-12, 8700-13 A/B, 8700-23 (Revised 11/2009)

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Page 1 of 🕰

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REVENER MO

era ID Num	ber						OMB#: 2050-0024; Expires 11/30/2011
10. Type of f Mark "Yo	Rogula te" or	tad Wasto "No" for al	Activity (at your s current activities	(ta) (as of the (	late outmining the	o form); comp	łatą any sąditional bozes as instructed.
A. Hezardor	us We	to Aciiviti	es: Comelete sil o	erta 1-7.	1100 miles	A CONTRACTOR CONTRACTOR	- American Control of the Control of
YBND			f Hazerdous Wast A only one of the		a, b, or c.	YONB	Transporter of Hazardous Wasta If "Yes", mark all that apply.
	R.	roc	Generates, in any (2,200 lbs./mo.) or Generates, in any accumulates at an lbs./mo.) of acute in Generates, in any accumulates at an (220 lbs./mo.) of ac material.	more of has calendar more y time, more exercious w calendar more y time, more	cerdeus weete; or onth, or o then 1 kg/mo (2.2 Aste; or onth, or o then 100 kg/mo	AMERICAN SERVICES	a. Transporter     b. Transfer Facility (at your afte)  Traster, Storer, or Disposer of Hazardous Waste Note: A hazardous waste permit is required for these activities.  Recyclar of Hazardous Waste
	🔲 b.	50 <b>6</b> :	100 to 1,000 kg/m		00 lbs./ma) of nan-		
		CESQG: "Yea" abo	Less than 100 kg/ hazardous weste. vo. Indicato other	mo (220 lbs.		YONE	Exampt Boiler and/or Industrial Furnace     #"Yes", mark all that apply.     Small Quantity On-site Burner     Examption
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ч 🛛 и 🖾	₽.	United St	ates importer of Ha	ayy aucbies	<b>A</b>	yong	6. Underground Injection Control
YDNB	£.	Mixed Wa	ete (Nazardous arx	l redicective	) Generator	YINE	7. Receives Hazzrdous Waste from Off-eite
8. Univers	pî Wax	to Activitis	a; Complete all pa	rbs 1-2	<del> </del>	C. Used O	i Activities; Complete all parts 1-4.
YDN	<b>E</b> 1.	accumul regulatio types of	esntity Handler of sie 6,000 kg or mo ns to determine w universal waste of that apply.	re) (refer to hat is regul	your State		1. Used Oil Transporter if "Yes", mark all that apply.  1. a. Transporter  1. b. Transfer Facility (at your site)
		d. Lamps e. Other	ides ry containing equip (specify) (specify)	<del></del>	0 0 0 0	1	2. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply.
ADN	<b>a</b> 2		ion Fecility for Un hozardous wasis p			-	a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner b. Marketer Who First Claims the Used Oil Meets the Specifications

EPA ID Number				OM	B#: 2050-0024; Ex	pires 11/30/2011
D. <b>Eligible Aca</b> d was <b>te</b> s purst	lomic Entities with I Lant to 40 CFR Pert	Leboratories—Notif 282 Bubpart K	lostion (or opting in	do or withdrawing f	rom mensyleg izbo	wlory hezardous
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_ Oc Non	-profit Institute that is ng from 40 CFR Part	owned by or has a fi	omal written effilietic	on agreement with a :	odlege or university	**
·/	of Mazardous Wasto		www.mananananananananananananananananananan	CANTER MANAGEMENT CO.		the second secon
A. Waste Codes	for Pederally Regul them in the order th	lated Hazerdone W	sates. Please list the he regulations (e.g.,	e waste codes of the Dogs, Foo7, L	Federal hazandous v J112). Use en eddik	aştes hendled et Irai pêgê î more
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EPA Form \$700-12, \$700-13 A/B, \$700-23 (Revised 11/2009)

Page 3 of 4



BPA ID Number		OMB#: 2050-0024; Expires 11/30/2011
. Notification of Hazardous Bacondary Walt	rial (HSM) Acovity	
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on my inquiry of the person or persons who information submitted is, to the best of my ki	that this document and all attachments were price that qualified percentrel property gather and manage the system, or those persons directly roweledge and belief, true, accurate, and complicating the possibility of times and imprisonmentally owner(s) and operator(s) must sign (see 40).	evaluate the mormanon submitted. Hased eaponable for gathering the Information, the etc. I am easte that there are significant that knowing violations. For the RORA
Signature of legal owner, operator, or an authorized representative	Name and Official Title (type or print)	(mm/dd/yyyy)
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EPA Form 8700-12, 6700-13 A/B, 8700-23 (Revised 11/2009)

Page 4 of 4

# ATTACHMENT G

Used Oil Waste Analysis Plan

sob's/Labis

# ORTEK INC.

# USED OIL MANAGEMENT WASTE ANALYSIS PLAN

## ORTEK INC. WASTE ANALYSIS PLAN

The intent of this plan is to fully comply with both 40 CFR 279.55 as well as section 739.155 of the Illinois Environmental Protection Act. Under these acts our facility Ortek Inc. located at 7601 West 47<sup>th</sup> street in McCook, Illinois meets the definition of a used oil processor and as such must have a written waste analysis plan.

To comply with section 739.153 Ortek Inc. shall use both generator knowledge as well as sample analysis.

# **Incoming Waste Stream Analysis Plan**

- 1. All waste streams at least annually or when their waste stream changes shall submit a copy of our waste profile sheet certifying that their waste stream is non-hazardous and meets the requirements of section 739.153 (See appendix A for waste profile sheet) 739.155(a)(1)
- 2. Upon entering the facility each truck and/or compartment of the truck shall be sampled using the Containerized liquid wastes method of sampling: COLIWASA described in Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods,. SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111. 739.155(a)(2)(A)
- 3. All samples from each truck or compartment of the truck shall be analyzed prior to unloading and will be done so on-site. 739.155(a)(2)(B)
- 4. Ortek Inc. shall use SW-846 test method 9075 as approved by the US EPA for determing chlorine and other halogens in used oil to comply with section 739.153 (See appendix B for methodology) 739.155(a)(2)(C)
- 5. Ortek Inc. will use a combination of generator knowledge as well as sampling analysis to determine the content of halogens in the used oil we accept for reprocessing. 739.155(a)(3)

# Outgoing On-Spec Used Oil Analysis Plan

Any used oil received and processed and the intended use is for energy recovery shall meet the following standards. (739.172 / 739.111)

Arsenic 5 ppm max.

Cadmium 2 ppm max.

Chromium 10 ppm max.

Lead 100 ppm max.

Flash Point 100 °F min.

Total Halogens 4,000 ppm max.²

Footnote: <sup>2</sup> Used oil containing more than 1,000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under section 739.110(b)(1)

# APPENDIX A

## MATERIAL PROFILE SHEET

			Profile #	
A. Billing Informa	tion (Written price que	otes and inquires will be sent to this	s address.)	
Company		Acc	ount#	
Address	·		aaren argan yn genege begelig had Opin Taalain ar geryn yn genege yn yn geryn benedig Laddialaid di	
City/State	T-1.11.11.11.11.11.11.11.11.11.11.11.11.1	Zip	Contact	
Phone		Fax		
B. Generator Info	rmation/Location of	Waste		
		Tech	nical Contact	
			лану катар <sup>оттите</sup> йде кинистический также казар также бай же бай же казатага да и и и и и и и и и и и и и и и и и	
City/State	Control of the second s	Zip	SOURCE HAND STEEL WAS THE WAY OF THE STEEL S	
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C. Waste Descript	ion		Source of Waste	
Common Name of	Waste		Unused Produ	(
Process Generating	Waste		☐ Waste by-pro	duct from process
Other Process Infor	mation		☐ Spill clean up	
			Planned Site 1	
	Management of the second secon		Other	
D. Physical Prope	rties (at 25° C or 77°	P(F)		
Physical State	A STATE OF THE PARTY OF THE PAR	Number of Phases/Layers	Odor	Color
¹ ☐ 100% Solid With	-		☐ None	☐ Transparent
🗖 100% Liquid Wi			Mild D	☐ Translucent
☐ Liquid/solid mix		% By Volume (Approx.)	Strong	Opaque
% Free	24	Top Middle Bottom	Describe:	Describe:
Settl			A STATE OF THE PARTY OF THE PAR	The second secon
% Tota	l Suspended Solids			***************************************
Flash Point	pH	Specific Gravity (gm/ml)		2
C < 73° F		☐ < 0.8 (e.g. Petroleum)	Viscosity	
<b>☐</b> 73° - 100° F	C 2.1-4.9	□ 0.8 – 1.0 (e.g. Water/Petrole	· •	Water)
	J 5.1-9	☐ 1.0 (e.g. Water)		e.g. Motor Oil)
☐ 141°-200°F	<b>3</b> 9.1 – 12.5	☐ 1.0 – 1.2 (e.g. Antifreeze)	☐ High (e.g.	
□ > 200° F	<b>3</b> > 12.5	□ > 1.2 (e.g. Methylene Chlor		*
E. Volume	· · · · · · · · · · · · · · · · · · ·			1900-1914   1914   1914   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915
Anticipated Volum	£	O Drums O Bulk O	Other	
Generation Frequen	ncy: 🗂 One Tin	ne 🗇 Batch 🗇 Continuous	3	•
		ekly Semimonthly Mont	hly 🗇 Quarterly 🖺	Other
F. Composition (N	fust add up to 100%.	Include inert materials and/or d	ebris if applicable	
	_	%	2	%
		%	and the second s	
		0/0	on the state of th	<u>%</u>
			Total	

G. Constituents /	Artach all available	data inclu	ding Lab analysis	and MSD	<b>)</b> S's				
These values are bas	ed on C know	/ledge	(I testing		none	in this section p	resent		anne medical designation and a second
INORGANIC	<u>agginteenamiliaanineetteettiinin ja ja karanin kaliiniliinin ja ja karanin kaliitiini</u>	S-alternative Activities and section of years.	nedalitation (no principle en Califolia) (no propose en presso à due l'Adria)	SETTING SECTION AND SECTION AND SECTION ASSESSMENT					
RCRA Regulated	Regulatory	Conc.	Other	Conc.	density density	Pesticides/Heri	vicides	Regulatory	Conc.
Metals	Level (mg/l)	(mg/l)		(mg/l)	avoranament.			Level (mg/l)	(mg/l)
fXXX Arsenic	5.0	(**************************************	Ammonia			2012 Endrin		0.02	***************************************
DO05 Barium	100.0		Phosphorus			Ol3 Lindane		0.4	
D006 Cadmium	1.0		Formaldehyde		and	D014 Methoxycl	lor	10.0	
D007 Chromium	5.0		COD	(many and part of the		D015 Toxaphene		0.5	washing the comments.
D008 Lead	5.0		Total Solids		Ř.	D016 2.4-D		10.0	-
	0.2		10021 001100		New York Silver	D017 24,5-TP (\$	iilvex)	1.0	
D009 Mercury	1.0	Terrolitics transported to	PCBs		ã	D020 Chlordane	•	0.03	
D010 Selenium			Dioxins	***************************************	1	D031 Heptadilo		0.008	
D011 Silver	5.0		LIMIANS			(and its ex			
OTHER METALS	, - ,		and the same		and control				
Copper	Cobalt —:	***************************************	Titanium		9				
Nickel	Tin		Vanadium	- Control of the Cont	Agranda de				
Zinc	Molybdenu	m	nggygyggangapakan kan kan kan kan kan kan kan kan kan	POSTON NATIONAL PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PA		920/09vejjemajski čilik diktorim (kuzejs)sienim	entitied to militately recognise organic		
ORGANIC			and the state of t					y	
Volatile Compou	nds Regulatory	Conc.	Semi-Volati	le Comp	ound	s Regulatory	Conc.	Other Ha	zards
-	Level (mg/l)					Level (mg/l)	(mg/l)	☐ Waper i	Reactive
D018 Benzene	0.5		D023 o-Cres	oi		200.0			
D019 Carbon Tetra	chloride 0.5		D024 m-Cres	sol		200.0	aparamenta de la constitución de	. 1	Regulated
D021 Chlorobenze	ne 100.0	***************************************	D025 p-Cres	ol		200.0		Carcino	gens
D022 Chloroform	6.0		D026 Cresol	(Total)		200.0			er .
D028 1,2-Dichloros	erhene 0.5		D027 1,4-Did	:hiorobenz	zene	7.5			
D029 1,1-Dichloroe			D030 2.4-Dir			0.13		☐ Reduce	r
D035 Methyl Ethyl			D032 Hexchi			0.13		O Infectio	US
D039 Tetrachloroet			D033 Hexad			0.5			**
D040 Trichloroethle			D034 Hexacl			3.0		LJ INETHI	
1			D036 Nitrob			2.0		1	<i>c</i>
D043 Vinyl Chloride	8 0.2	4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	D037 Pentac		in.	100.0		☐ Corros	ive
diameter and the second			D038 Pyridin	•	E GLAPA	5.0	***************************************	Other	
· ·			D041 2,4,5-1		in man mi	400.0		į.	mananania (Anifesta) (Anifesta)
			f .	-		2.0	tion in many that the same	*	
			D042 2,4,6-T	natioropi	neno:	2.0			
H. Regulatory S	de en la re								
RCRA Hazardous V		OAIN CIN	les 17 No	Sta	ite Ha	zardous Waste?	①Ye	s 🗇 No	
USDOT Hazardous			es CINo	Us	ed Oi	l (per 40CFR279	N? DYe	s 🗆 No	
If yes to any, describ						<b>Q</b>	,		
i yes w any, descri									
I. Sample Status		AND THE PROPERTY OF THE PROPER							
Representative sam	iple has been supp	lied? On	és [] No Sa	impled by:		mangagan pangan an manarawa kaka manarawa ka ka maka 2400 ad 4	Date San	npled:	
		ela sones more sulla l'agraci							
J. Generators Cert I hereby certify that	all information sub	mitted in thi	s and attached do	xuments is	; corre	ct to the best of m	y knowle	dge. [ also certify	that any
samples are represer	ntative of the actual	waste. If O	rtek Inc. discove	rs a discrep	ancy o	luring the approva	ii process	, generator grant	s Ortek
Inc. the authority to	amend the profile a	s Ortek Inc.	deems necessary	to reflect t	the dis	crepancy.			
C	samento.	Klauma	(print)			Da	te		
Generator's Signatu	10	iashic	S. Fac 1225 }			E.F.SE	e-e-		
1 - Layer								Market and the second s	_
		-							

# APPENDIX B

Method	Title	Description of Procedure	Analytes Detected	Sensitivity (ppm)	Notes
8021B	Halogenated Volatile Organics by GC/HECD: Capillary Column Technique	Purge-and-trap (or dilute and shoot for oils) gas chromatography (GC) procedure using a Hall Electrolytic Conductivity Detector (HECD),	Applicable to individual volatile organic compounds in oil by dilute and shoot sample introduction.	EQLs of 0.040 to 0.625 mg/L in non- water miscible waste. Very low detection limit.	Method does not provide a total chloride number. The HECD is a relatively low-cost GC detector when compared to the MS.
8260B	Volatile Organic Compounds by GC/MS: Capillary Column Technique	Purge-and-trap (or dilute and shoot for oils) gas chromatography (GC) procedure using a mass spectrometer (MS) detector.	Applicable to individual volatile organic compounds in oil by dilute and shoot sample introduction.	EQLs of about 2.5 mg/L in non-water miscible waste. Very low detection limit.	Method does not provide a total chloride number. The MS detector is an expensive, complex detector.
90208	Total Organic Halides (TOX)	A sample of water is passed through a column of activated carbon, the column is washed to remove inorganic halides, the remaining halides are combusted, and detected with a microcoulometric detector.	Applicable to all organic halides except fluorine in drinking water or ground waters that do not contain an amount of inorganic halides in excess of 20,000 times.	MDL of 0.005 mg/L for drinking water and ground waters.	Generates a single total halide number. Method is not applicable to oil matrices.
5050	Bomb Combustion Method for Solid Waste	A sample of oil is oxidized by combustion for 30-40 minutes in a bomb containing oxygen under pressure. The resulting combustate is analyzed by Methods 9056, 9252A, or 9253.	This procedure does not detect halides or halogenated compounds. Rather, this procedure prepares oil samples for analysis by other determinative methods.	Not applicable. This is not a determinative procedure.	Applicable to solid waste, oils, fuels, and related materials.

Method	1, 2, 1, 6	Description of Procedure	Analytes Detected	Sensitivity (ppm)	Notes
9056	Anion Chromatography Method	For oils, 2-3 mL of combustate from Method 5050 is injected into an ion chromatograph and is pumped through 3 different ion exchange columns with halogens detected by a conductivity detector.	This procedure can sequentially determine chloride, fluoride, bromide, nitrate, phosphate, and sulfate in combustate.	Minimum DL of 0.05 mg/L for F and 0.1 mg/L for Br, Cl, and the other ions. Very low detection limit.	The only method that can be used to determine the conc. of each halide group (F; CI; or Br).
9253	Chloride (Titrimetric, Silver Nitrate)	For oils, combustate from Method 5050 is adjusted to pH 8.3 and is titrated with silver nitrate solution in the presence of potassium chromate indicator.	This method can determine chloride from bomb combustate. Bromide, iodide, and sulfide are titrated along with the chloride.	This method is intended for oxygen bomb combustates and waters where the chloride content is 5 mg/L or more.	Bromide, iodide, and sulfide are also titrated. Ortho- and polyphosphate can interfere at concentrations above 250 and 25 mg/L, respectively.
9075	Test Method for Total Chlorine in New and Used Petroleum Products by XRF Spectrometry	A well mixed sample is loaded into an X-ray fluorescence (XRF) spectrometer. The intensities of the chlorine K alpha and sulfur K alpha lines are measured using a calibrated system. The sulfur intensity is used to correct for absorption by sulfur. Free water is a major interferant and should be removed before analysis.	This method can determine the total chlorine in new and used oils, fuels, and related materials. Possible interferants include metals, water, and sediments in the oil. Spike recovery measurements on used crankcase oil showed that diluting samples 5 to 1 allowed accurate measurement on 80% of the samples.	The applicable range of this method is from 200 mg/kg to percent levels of chlorine in oil matrices.	This method does determine total chloride concentration. One sample from each group of closely related samples should be spiked to confirm that matrix effects are not significant.

Method	Title	Description of Procedure	Analytes Detected	Sensitivity (ppm)	Notes
9076	Test Method for Total Chlorine in New and Used Petroleum Products by Oxidative Combustion and Microcoulometry	A sample is placed in a quartz boat at the inlet of a high-temperature quartz combustion tube. An inert carrier gas sweeps across the inlet while oxygen flows to the center of the combustion tube. The boat and sample are passed through a temperature zone of about 300°C to volatilize the light ends. The sample is then advanced to the center of the combustion tube, which is at 1000°C, where the chlorine is converted to chloride and oxychlorides, which then flow into an attached titration cell where they quantitatively react with silver ions. The total current required to coulometrically replace the silver ions is a measure of the chlorine present in the sample.	This method can determine total chlorine in new and used oils, fuels, and related materials. Bromine and iodine will also give a positive response. However, because oxyhalides of bromine and iodine do not react in the titration cell, only about a 50% microequivalent response is detected from them.	The applicable range of this method is from 10 to 10,000 mg/kg of chlorine in oil matrices.	This method does determine total chloride concentration along with some of the bromide and iodide concentration present.
9077	Test Method for Total Chlorine in New and Used Petroleum Products (3 Different Field Test Kit Methods)	Method A: The CHLOR-D-TECT 1000 by Dexsil Corporation, involves dispersing a sample of oil (about 0.4 g by volume) in a solvent and reacting with a mixture of metallic sodium catalyzed with naphthalene and diglyme at ambient temperature. All halides in the mixture are extracted into an aqueous buffered solution and titrated with mercuric nitrate using a diphenyl-carbazone indicator to a blue-violet endpoint.	This method can determine whether or not a sample contains greater than or less than 1000 ppm of total chloride in new and used oils, fuels and related materials.  Fluoride, bromide, and iodide are also titrated and reported as chloride in the procedure.	This method is semi- quantitative. Results are reported as being above or below 1000 mg/kg of chlorine (along with bromide and iodide) in oil matrices.	This method can determine total halogens as chloride. Each sample should be tested twice. If the results do not agree then a third test must be performed.

Method	k de	Description of Procedure	Analytes Detected	Sensitivity (ppm)	Notes
9077 (cont.)		Method B: The Quanti-Chlor Kit from Chemetrics Inc., involves a reverse titration of a fixed volume of mercuric nitrate with the extracted sample to an endpoint that is denoted by a change from blue to yellow in the titration vessel.	This method can determine total chlorine in new and used oils, fuels, and related materials. Fluoride, bromide, and iodide are also titrated and reported as chloride in the procedure.	The applicable range of this method is 750 to 7000 mg/kg chlorine in oil matrices.	This method can determine total halogens as chloride. Each sample should be tested twice. If the results do not agree within 10% RPD a third test should be run.
promental makka da Paka a po o garang 1997		Method C: The CHLOR-D-TECT Q4000 from Dexsil Corporation involves a titration of the extracted sample with mercuric nitrate by means of a 1- mL microburetle to an endpoint that is denoted by a change from pale yellow to red violet. The concentration of chlorine in the original oil is then read from a scale on the microburette.	This method can determine total chlorine in new and used oils, fuels, and related materials. Fluoride, bromide, and iodide are also titrated and reported as chloride in the procedure.	The applicable range of this method is 300 to 4000 mg/kg of chlorine in oil matrices.	This method can determine total halogens as chloride. Each sample should be tested twice. If the results do not agree within 10% RPD, a third test should be run.

# TEST METHOD FOR TOTAL CHLORINE IN NEW AND USED PETROLEUM PRODUCTS BY X-RAY FLUORESCENCE SPECTROMETRY (XRF)

#### 1.0 SCOPE AND APPLICATION

- 1.1 This test method covers the determination of total chlorine in new and used oils, fuels, and related materials, including crankcase, hydraulic, diesel, lubricating and fuel oils, and kerosene. The chlorine content of petroleum products is often required prior to their use as a fuel.
- 1.2 The applicable range of this method is from 200  $\mu g/g$  to percent levels.
- 1.3 Method 9075 is restricted to use by, or under the supervision of, analysts experienced in the operation of an X-ray fluorescence spectrometer and in the interpretation of the results.

#### 2.0 SUMMARY OF METHOD

 $2.1\,$  A well-mixed sample, contained in a disposable plastic sample cup, is loaded into an X-ray fluorescence (XRF) spectrometer. The intensities of the chlorine K• and sulfur K• lines are measured, as are the intensities of appropriate background lines. After background correction, the net intensities are used with a calibration equation to determine the chlorine content. The sulfur intensity is used to correct for absorption by sulfur.

#### 3.0 INTERFERENCES

3.1 Possible interferences include metals, water, and sediment in the oil. Results of spike recovery measurements and measurements on diluted samples can be used to check for interferences.

Each sample, or one sample from a group of closely related samples, should be spiked to confirm that matrix effects are not significant. Dilution of samples that may contain water or sediment can produce incorrect results, so dilution should be undertaken with caution and checked by spiking. Sulfur interferes with the chlorine determination, but a correction is made.

Spike recovery measurements of used crankcase oil showed that diluting samples five to one allowed accurate measurements on approximately 80% of the samples. The other 20% of the samples were not accurately analyzed by XRF.

3.2 Water in samples absorbs X-rays emmitted by chlorine. For this inter-ference, use of as short an X-ray counting time as possible is beneficial. This appears to be related to stratification of samples into aqueous and nonaqueous layers while in the analyzer.

Although a correction for water may be possible, none is currently available. In general, the presence of any free water as a separate phase or a water content greater than 25% will reduce the chlorine signal by 50 to 90%. See Sec. 6.4.

#### 4.0 APPARATUS AND MATERIALS

- 4.1 XRF spectrometer, either energy dispersive or wavelength dispersive. The instrument must be able to accurately resolve and measure the intensity of the chlorine and sulfur lines with acceptable precision.
  - 4.2 Disposable sample cups with suitable plastic film such as Mylar\*.

#### 5.0 REAGENTS

- 5.1 Purity of reagents. Reagent-grade chemicals shall be used in all tests. Unless otherwise indicated, it is intended that all reagents shall conform to the specifications of the Committee on Analytical Reagents of the American Chemical Society, where such specifications are available. Other grades may be used, provided it is first ascertained that the reagent is of sufficiently high purity to permit its use without lessening the accuracy of the determination.
- 5.2 Mineral oil, mineral spirits or paraffin oil (sulfur- and chlorine-free), for preparing standards and dilutions.
- 5.3 1-Chlorodecane (Aldrich Chemical Co.), 20.1% chlorine, or similar chlorine compound.
  - 5.4 Di-n-butyl sulfide (Aldrich Chemical Co.), 21.9% sulfur by weight.
- 5.5 Quality control standards such as the standard reference materials NBS 1620, 1621, 1622, 1623, and 1624 for sulfur in oil standards; and NBS 1818 for chlorine in oil standards.

#### 6.0 SAMPLE COLLECTION, PRESERVATION, AND HANDLING

- 6.1 All samples must be collected using a sampling plan that addresses the considerations discussed in Chapter Nine.
- 6.2 The collected sample should be kept headspace free prior to preparation and analysis to minimize volatilization losses of organic halogens. Because waste oils may contain toxic and/or carcinogenic substances, appropriate field and laboratory safety procedures should be followed.
- 6.3 Laboratory sampling of the sample should be performed on a well-mixed sample of oil. The mixing should be kept to a minimum and carried out as nearly headspace free as possible to minimize volatilization losses of organic halogens.
- 6.4 Free water, as a separate phase, should be removed and cannot be analyzed by this method.

CD-ROM

9075 - 2

Revision 0 September 1994

#### 7.0 PROCEDURE

- 7.1 Calibration and standardization.
- 7.1.1 Prepare primary calibration standards by diluting the chlorodecane and n-butyl sulfide with mineral spirits or similar material.
- 7.1.2 Prepare working calibration standards that contain sulfur, chlorine, or both according to the following table:
- Cl: 500, 1,000, 2,000, 4,000, and  $6,000 \mu g/g$
- S: 0.5. 1.0. and 1.5% sulfur

1.	0.5% S,	1.000	uq/q	Cl	5.	1.0%	S,	6,000	μg/g	C1
	0.5% S.				6.	1.5%	5,	1,000	µg/g	01
	1.0% S,				7.	1.5%	S,	4,000	μg/g	CJ
	1.0% S.				8.	1.5%	S,	6,000	µg/g	C 1

Once the correction factor for sulfur interference with chlorine is determined, fewer standards may be required.

- 7.1.3 Measure the intensity of the chlorine K• line and the sulfur K• line as well as the intensity of a suitably chosen background. Based on counting statistics, the relative standard deviation of each peak measurement should be 1% or less.
- 7.1.4 Determine the net chlorine and sulfur intensities by correcting each peak for background. Do this for all of the calibration standards as well as for a paraffin blank.
- 7.1.5 Obtain a linear calibration curve for sulfur by performing a least squares fit of the net sulfur intensity to the standard concentrations, including the blank. The chlorine content of a standard should have little effect on the net sulfur intensity.
- 7.1.6 The calibration equation for chlorine must include a correction term for the sulfur concentration. A suitable equation follows:

$$C = (mI + b) (1 + k*S)$$
 (1)

where:

Using a least squares procedure, the above equation or a suitable substitute should be fitted to the data. Many XRF instruments are equipped with suitable computer programs to perform this fit. In any case, the resulting equation should be shown to be accurate by analysis of suitable standard materials.

#### 7.2 Analysis.

- 7.2.1 Prepare a calibration curve as described in Sec. 7.1. By periodically measuring a very stable sample containing both sulfur and chlorine, it may be possible to use the calibration equations for more than 1 day. During each day, the suitability of the calibration curve should be checked by analyzing standards.
- 7.2.2 Determine the net chlorine and sulfur intensities for a sample in the same manner as done for the standards.
- 7.2.3 Determine the chlorine and sulfur concentrations of the samples from the calibration equations. If the sample concertration for either element is beyond the range of the standards, the sample should be diluted with mineral oil and reanalyzed.

#### 8.0 QUALITY CONTROL

- 8.1 Refer to Chapter One for specific quality control procedures.
- 8.2 One sample in ten should be analyzed in triplicate and the relative standard deviation reported. For each triplicate, a separate preparation should be made, starting from the original sample.
- 8.3 Each sample, or one sample in ten from a group of similar samples, should be spiked with the elements of interest by adding a known amount of chlorine or sulfur to the sample. The spiked amount should be between 50% and 200% of the sample concentration, but the minimum addition should be at least five times the limit of detection. The percent recovery should be reported and should be between 80% and 120%. Any sample suspected of containing >25% water should also be spiked with organic chlorine.
- 8.4 Quality control standard check samples should be analyzed every day and should agree within 10% of the expected value of the standard.

#### 9.0 METHOD PERFORMANCE

- 9.1 These data are based on 47 data points obtained by seven laboratories who each analyzed four used crankcase oils and three fuel oil blends with crankcase in duplicate. A data point represents one duplicate analysis of a sample. Two data points were determined to be outliers and are not included in these results.
- 9.2 Precision. The precision of the method as determined by the statistical examination of interlaboratory test results is as follows:

Repeatability - The difference between successive results obtained by the same operator with the same apparatus under constant operating conditions on identical test material would exceed, in the long run, in the normal and correct operation of the test method, the following values only in 1 case in 20 (see Table 1):

## Repeatability = 5.72 $\sqrt{x}$ .

\*where x is the average of two results in pg/g.

Reproducibility - The difference between two single and independent results obtained by different operators working in different laboratories on identical test material would exceed, in the long run, the following values only in 1 case in 20:

## Reproducibility = 9.83 $\sqrt{x}$ .

\*where x is the average value of two results in  $\mu g/g$ .

 $9.3\,$  Bias. The bias of this test method varies with concentration, as shown in Table 2:

Bias = Amount found - Amount expected.

#### 10.0 REFERENCE

1. Gaskill, A.; Estes, E.D.; Hardison, D.L.; and Myers, L.E. Validation of Methods for Determining Chlorine in Used Oils and Oil Fuels. Prepared for U.S. Environmental Protection Agency, Office of Solid Waste. EPA Contract No. 68-01-7075, WA 80. July 1988.

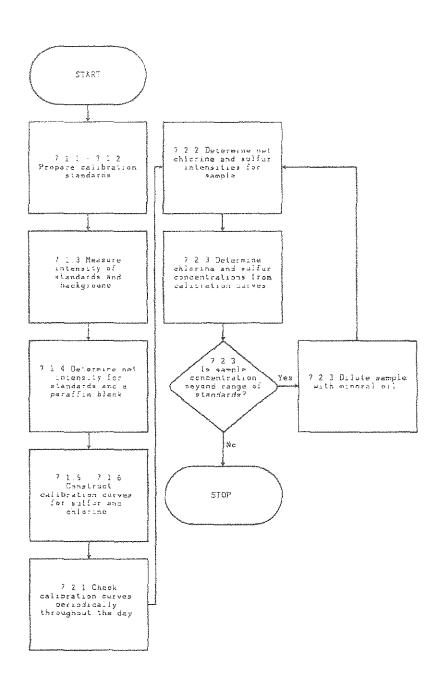
TABLE 1. REPEATABILITY AND REPRODUCIBILITY
FOR CHLORINE IN USED OILS BY
X-RAY FLUORESCENCE SPECTROMETRY

erage value, µg/g	Repeatability, µg/g	Reproducibility, μg/g
500	128	220
1,000	181	311
1,500	222	381
2,000	256	440
2,500	286	492
3,000	313	538

TABLE 2. RECOVERY AND BIAS DATA FOR CHLORINE IN USED OILS BY X-RAY FLUORESCENCE SPECTROMETRY

Amount expected, µg/g	Amount found, µg/g	Bias, µg/g	Percent bias	
320	278	- 42	-13	
480	461	-19	- 4	
920	879	-41	- 4	
1,498	1,414	-84	-6	
1,527	1,299	- 228	-15	
3,029	2,806	- 223	-7	
3,045	2,811	-234	-8	

# METHOD 9076 TEST METHOD FOR TOTAL CHLORINE IN NEW AND USED PETROLEUM PRODUCTS BY X-RAY FLUORESCENCE SPECTROMETRY (XRF)



# METHOD 1010 PENSKY-MARTENS CLOSED-CUP METHOD FOR DETERMINING IGNITABILITY

#### 1.0 SCOPE AND APPLICATION

1.1 Method 1010 uses the Pensky-Martens closed-cup tester to determine the flash point of liquids including those that tend to form a surface film uncer test conditions. Liquids containing non-filterable, suspended solids shall also be tested using this method.

#### 2.0 SUMMARY OF METHOD

2.1 The sample is heated at a slow, constant rate with continual stirring. A small flame is directed into the cup at regular intervals with simultaneous interruption of stirring. The flash point is the lowest temperature at which application of the test flame ignites the vapor above the sample.

For further information on how to conduct a test by this method, see Reference 1 below.

#### 3.0 METHOD PERFORMANCE

3.1 The Pensky-Martens and Setaflash Closed Testers were evaluated using five industrial waste mixtures and p-xylene. The results of this study are shown below in "F along with other data.

<u>Sample</u>	Pensky- <u>Martens</u>	<u>Setaflash</u>	
1° 2° 3° 4° 5° p-xylene° p-xylene°	$143.7 \pm 1.5$ $144.7 \pm 4.5$ $93.7 \pm 1.5$ $198.0 \pm 4.0$ $119.3 \pm 3.1$ $81.3 \pm 1.1$ $77.7 \pm 0.5^{\circ}$	$139.3 \pm 2.1$ $129.7 \pm 0.6$ $97.7 \pm 1.2$ $185.3 \pm 0.6$ $122.7 \pm 2.5$ $79.3 \pm 0.6$	
Tanker oil Tanker oil Tanker oil DISK/xylene	125, 135 180, 180 110, 110 102 ± 4°	  107	

 $^{\mathrm{b}}75/25$  v/v analyzed by four laboratories.

1010 - 1

CD-ROM

Revision <u>0</u>
Date <u>September 1986</u>

<sup>\*12</sup> determinations over five-day period.

#### 4.0 REFERENCES

- 1. D 93-80, Test Methods for Flash Point by Pensky-Martens Closed Tester, American Society for Testing and Materials, 1916 Race Street, Philacelphia, PA 19103,  $\underline{04.09}$ , 1986.
- 2. Umana, M., Gutknecht, W., Salmons, C., et al., Evaluation of Ignitability Methods (Liquids), EPA/600/S4-85/053, 1985.
- 3. Gaskill, A., Compilation and Evaluation of RCRA Method Performance Data, Work Assignment No. 2, EPA Contract No. 68-01-7075, September 1986.

1010 - 2

#### DH PAPER METHOD

#### 1.0 SCOPE AND APPLICATION

- 1.1 Method 9041 may be used to measure pH as an alternative to Method 9040 (except as noted in Step 1.3) or in cases where pH measurements by Method 9040 are not possible.
- 1.2 Method 9041 is not applicable to wastes that contain components that may mask or alter the pH paper color change.
- 1.3 pH paper is not considered to be as accurate a form of pH measurement as pH meters. For this reason, pH measurements taken with Method 9041 cannot be used to define a waste as corrosive or noncorrosive (see RCRA regulations 40 CFR §261.22(a)(1).

#### 2.0 SUMMARY OF METHOD

2.1 The approximate pH of the waste is determined with wide-range pH paper. Then a more accurate pH determination is made using "narrow-range" pH paper whose accuracy has been determined (1) using a series of buffers or (2) by comparison with a calibrated pH meter.

#### 3.0 INTERFERENCES

 $3.1\,$  Certain wastes may inhibit or mask changes in the pH paper. This interference can be determined by adding small amounts of acid or base to a small aliquot of the waste and observing whether the pH paper undergoes the appropriate changes.

CAUTION:

THE ADDITION OF ACID OR BASE TO WASTES MAY RESULT IN VIOLENT REACTIONS OR THE GENERATION OF TOXIC FUMES (e.g., hydrogen cyanide). Thus, a decision to take this step requires some knowledge of the waste. See Step 7.3.3 for additional precautions.

#### 4.0 APPARATUS AND MATERIALS

- 4.1 Wide-range pH paper.
- 4.2 Narrow-range pH paper: With a distinct color change for every 0.5 pH unit (e.g., Alkacid Full-Range pH Kit, Fisher Scientific or equivalent). Each batch of narrow-range pH paper must be calibrated versus certified pH buffers or by comparison with a pH meter which has been calibrated with certified pH buffers. If the incremental reading of the narrow-range pH paper is within 0.5 pH units, then the agreement between the buffer or the calibrated pH meter with the paper must be within 0.5 pH units.
  - 4.3 pH Meter (optional).

#### 5.0 REAGENTS

- 5.1 Certified pH buffers: To be used for calibrating the pH paper or for calibrating the pH meter that will be used subsequently to calibrate the pH paper.
  - 5.2 Dilute acid (<u>e.g.</u>, 1:4 HCl).
  - 5.3 Dilute base (<u>e.g.</u>, 0.1 N NaOH).
- 6.0 SAMPLE COLLECTION, PRESERVATION, AND HANDLING
- 6.1 All samples must be collected using a sampling plan which addresses the considerations discussed in Chapter Nine of this manual.

#### 7.C PROCEDURE

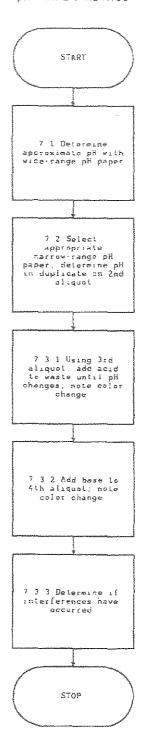
- 7.1 A representative aliquot of the waste must be tested with widerange pH paper to determine the approximate pH.
- 7.2 The appropriate narrow-range pH paper is chosen and the pH of a second aliquot of the waste is determined. This measurement should be performed in duplicate.
  - 7.3 Identification of interference:
  - 7.3.1 Take a third aliquot of the waste, approximately 2 mL in volume, and add acid dropwise until a pH change is observed. Note the color change.
  - 7.3.2 Add base dropwise to a fourth aliquot and note the color change. (Wastes that have a buffering capacity may require additional acid or base to result in a measurable pH change.)
  - 7.3.3 The observation of the appropriate color change is a strong indication that no interferences have occurred.
- CAUTION ADDITION OF ACID OR BASE TO SAMPLES MAY RESULT IN VIOLENT REACTIONS OR THE GENERATION OF TOXIC FUMES. PRECAUTIONS MUST BE TAKEN. THE ANALYST SHOULD PERFORM THESE TESTS IN A WELL-VENTILATED HOOD WHEN DEALING WITH UNKNOWN SAMPLES.

#### 8.0 QUALITY CONTROL

- 8.1 All quality control data must be maintained and available for easy reference or inspection.
  - 8.2 All pH determinations must be performed in duplicate.
- 8.3 Each batch of pH paper must be calibrated versus certified pH buffers or a pH meter which has been calibrated with certified pH buffers.

- 9.0 METHOD PERFORMANCE
  - 9.1 No data provided.
- 10.0 REFERENCES
  - 10.1 None required.

#### OH PAPER METHOD



# ATTACHMENT H SPCC Plan

# SPILL PREVENTION, CONTROL AND COUNTERMEASURES PLAN SPCC

Ortek, Inc. 7601 W. 47<sup>th</sup> Street McCook, IL 60525 708-762-5117

SPILL PREVENTION SPCC OCT 07. DOC/MICROSOFT WORD/LTW

# SPILL PREVENTION, CONTROL AND COUNTERMEASURES (SPCC) PLAN

# Ortek Inc. 7601 West 47th Street McCook, IL 60525

Date of Facility's First Plan:

June 14, 2002

Date of Last Plan Amendment:

October, 2007

Date of Last Plan Review:

August, 2010

Designated staff person(s) responsible for spill prevention: Robert Kolar

#### **EMERGENCY TELEPHONE NUMBERS:**

1.	Facility Manager, Robert Kolar		(cell)	Non-responsive
			(home)	Non-responsive
2.	National Response Center			(800) 424-8802
3.	Illinois Emergency Services & Disas	ter Agency (	ESDA)	(800) 782-7860
4.	Illinois EPA (Bureau of Land), gener	al phone nur	nber	(217) 782-6761
5.	. Cook County Department of Environmental Control			(312) 603-8200
6.	Village of McCook dial 911 for Fire	Department	or Police	(708) 447-1234
7.	Other Ortek Employees, Laurie Witte	er	(cell)	Non-responsive
			(home)	Non-responsive
8.	Hospitals	LaGrange N	Memorial	(708) 352-1200
		MacNeal H	ospital	(708) 783-9100

## Clean-Up Contractors:

<b>1</b> .	Future Environmental (contacts = Jim, Steve, Tom)	(708) 479-6900
2.	North Branch Environmental (contacts = John or JD)	(630) 529-0240
3.	HazChem Environmental (contacts = Al or Chris)	(630) 458-1910
4.	Duke's Oil (contact = Gary)	(630) 860-5689

## Supplies and Equipment:

1. North Branch Environmental	(630) 529-0240
-------------------------------	----------------

2. or any of the other clean-up contractors listed above

# TABLE OF CONTENTS

	PAGE
P. E. Certification and Management Approval Tri-Annual Plan Review Summary	3 4
Facility Information Past Spill Experience / History	5 7
Potential Equipment Failures Containment and Diversionary Structures Demonstration of Practicability	7 8 8
Facility Drainage Bulk Storage Tanks Transfer Operations	8 8 9
Tank Car Loading / Unloading Racks Inspections / Records Security	9 9 9
Training	10
ATTACHMENTS:	
<ul> <li>A. Substantial Harm Criteria Determination Checklist</li> <li>B. Plot Plan Sketch</li> <li>C. Storage Tank Data</li> <li>D. Inspection Checklist</li> <li>E. Training Records</li> <li>F. Maps to Hospitals</li> </ul>	11 12 13 15 17

#### PROFESSIONAL ENGINEER CERTIFICATION

CERTIFICATION: I hereby certify that I and\or those under my direction have examined the facility and having reviewed this SPPC Plan, attest that the Plan has been prepared in accordance with good engineering practices.

Engineer: Nolan Aughenbaugh Registration Number: 062-047575 State: Illinois

Signature: Nolan Aughenbaugh Date of Plan Certification: October 25, 2007



I hereby certify that the necessary resources to implement this Plan have been committed.

Lowell Aughenbaugh

Lowell Aughenbaugh, Facility Manager

& 10-24-07

CERTIFICATION OF THE APPLICABILITY OF THE SUBSTANTIAL HARM CRITERIA CHECKLIST

Please see Attachment A.

## PROFESSIONAL ENGINEER CERTIFICATION

CERTIFICATION: I hereby certify that I and\or those under my direction have examined the facility and having reviewed this SPPC Plan, attest that the Plan has been prepared in accordance with good engineering practices.

Engineer: Nolan Aughenbaugh Registration Number: 062-047575 State: Illinois

Signature: Nolan Aughenbaugh Date of Plan Certification: October 25, 2007

### SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN MANAGEMENT APPROVAL

I hereby certify that the necessary resources to implement this Plan have been committed.

Lowell Aughenbaugh	
	6-14-02
Lowell Aughenbaugh, Facility Manager	& 10-24-07

CERTIFICATION OF THE APPLICABILITY OF THE SUBSTANTIAL HARM CRITERIA CHECKLIST

Please see Attachment A.

# SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN COMPLIANCE REVIEW PAGE

In accordance with 40 CFR 112.5(b), a review and evaluation of this SPCC Plan is conducted at least once every three years. These reviews and evaluations are recorded below:

Reviewer (signature)	Reviewer (print)	Date	Comments	Is P.E. re-certification required?
				Yes or No
1.	Bob Madl \ Lowel	l Aughe	enbaugh 6-14-	02 yes
2.	Lowell Aughenbar	ugh 6-0	03-03	no
3.	Lowell Aughenbar	ugh Ju	ne, 2005	
4.	Lowell Aughenbar	ugh / No	olan Aughenba	ugh Oct, 2007

### **FACILITY INFORMATION**

Name:

Ortek Inc.

Mailing Address:

7601 West 47<sup>th</sup> Street McCook, IL 60525

Street Address:

7601 West 47<sup>th</sup> Street McCook, IL 60525

Owner:

North American Refining Corp.

7601 West 47<sup>th</sup> Street McCook, IL 60525

Facility Contact:

Lowell Aughenbaugh

(708) 762-5117

Location:

Approximately 1.0 miles north of Interstate I-55 off Harlem Ave. (I-55

Exit 283) then Left (west) on 47<sup>th</sup> Street. The Site is located in Cook

County, Illinois

Facility Description:

Ortek Inc. is an oily waste water treatment facility, used oil recycler (rerefiner), compounder/blender, and packager. The site comprises of approximately 6-acres which is bermed\contained on all sides. The Company owns and operates various equipment including forklifts, backhoes, a crane, man-lift, bobcat (skidsteer), loading docks, truck scale,

storage tanks, process equipment, and high & low pressure boilers.

Fixed Storage:

All the storage tanks at the Ortek site are aboveground storage tanks

(AST's). A listing of these tanks and related specific information are

contained in Appendix C (Storage Tank Data).

Total liquid storage capacity: 2,531,870 gallons

Attachment B, contains a facility Plan Map showing the location of storage tanks, process equipment, and the general layout of the facility.

## PAST SPILL EXPERIENCE – 40 CFR 112.7 (a)

Description of Spill	Corrective Actions Taken	Plan for Preventing Recurrence
1987 tank pressure release	Area cleaned up / remediated	Personnel training & press safety
sulfurized lard tank		release installed on process tank

## POTENTIAL EQUIPMENT FAILURES – 40 CFR 112.7 (b)

Potential Failure	Spill Direction	Volume Released	Spill Rate
Complete failure of a full tank	Inside Dike Area	Est. 50,000 gallons	Instantaneous Assuming worst case
Partial failure of a full tank	Inside Dike Area	up to 5,000 gallons	Gradual to Instantaneous
Storage Tank, or Tanker overfill, supervised	Inside Dike Area	up to 1,000 gallons	assume 100 gallons / min
Pipe failure	Inside Dike Area Or un-diked area	up to say 1000 gals	assume 100 gallons / min
Small Leak in pipe, flange, valve, or packing	Inside Dike Area Or pump house	up to 100 gallons	Gradual
Tank truck leak or failure	Truck offloading areas	up to 5000 gallons	Gradual to Instantaneous
Hose leak during transfer	Northbound down RR tracks	up to 500 gallons	assume 100 gals / minute
Pump rupture or failure	Pump house or Diked area	up to 500 gallons	assume 100 gals / minute

## CONTAINMENT AND DIVERSIONARY STRUCTURES - 40 CFR 112.7 (c)(1)

- 1. Dikes are provided around the tanks that store various lubricating oils/additives, and other materials across the facility. The floor and walls of the containment structures are concrete, or clay earthened dikes. Spills within any containment area are expected to be contained in that area. In addition to tank storage areas being contained, the entire 6-acre Ortek facility is "contained", forming a secondary, backup containment. Earthern and/or concrete berms/walls surround the entire site, with native clay forming the native soil base of the facility. Consultants during the 1970's completed surveying and volume calculations and established that the site as it lays could contain over 4-million gallons of liquid(s) before any spilled material could leave the site.
- ii. The loading and unloading area for tanker trucks and/or railcars is also made of concrete\asphalt. However some loading of product materials is completed over unprotected gravel areas. The use of readily available spill equipment would prevent any potential spills from spreading far including Ortek's liquid vacuum truck, backhoe, and other resources available to the company.
- iii. The facility operates its own wastewater treatment plant and all drainage of rainwater within the facility flows thru the treatment plant. In addition, there are no sewers located within the facilities boundaries.
- iv. Ortek keeps on-hand various absorbent spill pads, absorbent clays, oil booms, numerous portable liquid pumps, vacuum truck, backhoe, case brand skidsteer (bobcat), and other such equipment should a spill ever occur. In addition, most dikes located at this site contain pumps inside each dike that are capable of pumping any spills that may occur within that dike. Ortek works with most of Chicago-Land's top spill response contractors, and as a result generally have these trucks/emergency equipment available to us as well.

#### **DEMONSTRATION OF PRACTICABILITY** – 40 CFR 112.7(d)

Ortek Inc. has determined that use of the containment and diversionary structures and the use of readily available spill equipment to prevent discharged oil or other materials/liquids from reaching navigable waterways or sewers are practical and effective at this facility. Probably one of the best demonstrations of this at this site has been past heavy rain events (floods). During flooding events Ortek has been able to evaluate the path spills may take as well as the effectiveness of dikes, containment structures, berms, and\or diversionary structures. Because Ortek treats all it's rainwater, we are in-effect practicing spill procedures every time it rains (although I don't believe we have recorded all this in our spill "training" records).

#### FACILITY DRAINAGE – 40 CFR 112.7(e)(1)

- i. Spills from above ground storage tanks will be restrained by secondary containment. Spills outside of the dike area will be contained by the use of the facilities spill equipment.
- ii. Rainwater and/or melting snow is sent to Ortek's own on-site waste water treatment plant.

## BULK STORAGE TANKS – 40 CFR 112.7(e)(2)

- All of the AST's are of Underwriter Laboratories UL-142 construction and/or API 650 and are compatible with the oil or liquid that they contain and the temperature and pressure conditions of storage.
- ii. Secondary containment volume is greater than 110 percent of the largest tank in the facility.
- iii. 55 gallon drums containing lubricating oil additives or other materials are stored in few common areas and periodically monitored for any signs of leaks.
- iv. There are no underground storage tanks (UST's) at the Site.
- v. Thickness testing has historically been completed on AST's every five years using a system of non-destructive testing such as ultrasonic or x-ray. Visual inspections of tanks and dikes are performed daily.
- vi. Each storage tank (AST) is equipped with a floating level style level gauge. Venting capacity is suitable for the anticipated fill and withdrawal rates. Tank level gauges are checked for accuracy whenever metering product through tested positive displacement meters, and/or measured and marked off on the tank knowing the volume per foot (gallons per foot), for any diameter tank.
- vii. Oil leaks that result in a loss of oils from tanks, gaskets, packing, or other sources are generally corrected immediately, with spill pans or a bucket placed under the leak, for example, until the leak can be repaired.

## TRANSFER OPERATIONS, PUMPING, AND IN-PLANT PROCESSES – 40 CFR 112.7(e)(3)

- i. There is no buried/underground piping in the facility. All piping is above grade.
- ii. Pipelines not in service or on standby for an extended period (over 3 months) are capped or blank flanged.
- Pipe supports are designed to minimize abrasion and corrosion and to allow for expansion and contraction.
- iv. Aboveground pipelines, pumps and valves are examined daily to assess their condition. Clearing a pipeline, along with air pressure testing of the piping can be conducted if any piping section is questioned.
- v. Aboveground pipelines do not come in contact with truck or railcar loading/unloading operations.

#### TANK CAR AND TRUCK LOADING / UNLOADING RACKS – 40 CFR 112.7(e)(4)

- i. The tank truck loading and unloading procedures meet the minimum requirements of the U. S. Department of Transportation.
- ii. Parking brakes on trucks/railcars are set prior to loading/unloading. We request that all running tanker trucks engines are shut down during these operations.
- iii. The lower-most drain and other outlets on each tank trucks/railcar are inspected for leaks prior to and while loading and prior to departure. In addition, the internal safety valves are checked on tank trucks prior to loading and while sampling.
- iv. Deliveries and transfers are performed by qualified/trained Ortek Inc. employees.

#### **INSPECTION AND RECORDS - 40 CFR 112.7(e)(8)**

Daily visual inspections consist of a complete walk-through of the facility to check the following: piping, equipment and tanks for leakage, concrete\ground for staining and/or discoloring. In addition, tank inventory is taken on all tanks once per working day.

The checklist provided in Attachment D is followed during weekly inspections. These items covered in the inspections are performed in accordance with written procedures such as API standards and with good engineering practices.

#### **SECURITY** -40 CFR 112.7(e)(9)

Ortek Inc. is manned twenty-four hours per day seven days per week. In addition, doors, entrance gates, etcetera are locked and secured during off hours. The facility is generally surrounded by six-foot high fencing at the property boundaries.

- Valves are closed after each operation at the facility. All pumps are shut off after each operation.
   There are generally multiple valves on each loading/unloading line so overlooking one valve should not lead to any spills. In addition, sample valves on storage tanks are capped.
- ii. The plant is illuminated twenty-four hours per day, and warning signs are posted informing visitors or others that they must check in, or not trespass. In addition, 24-hour, round the clock video surveillance is now recorded for a large portion of the facility.

#### PERSONNEL TRAINING AND SPILL PREVENTION PROCEDURES-40CFR 112.7 (e)(10)

- i. Facility personnel have been instructed by management in the operation and maintenance of pollution prevention equipment and pollution control laws and regulations.
- ii. Facility manager, Lowell Aughenbaugh is ultimately responsible for oil spill prevention at this facility. Mr. Bob Kolar also works in this capacity.
- iii. Yearly spill prevention briefings are provided by Management for operating personnel to ensure adequate understanding of the SPCC plan. These briefings highlight any past spill events or failures and recently developed precautionary measures. Training includes oil spill prevention, containment, and retrieval methods. A simulation of an on-site vehicular spill has been conducted and future exercises shall be periodically held to prepare for possible spill responses. Also, as discussed earlier, rain events have been useful learning/training experience, as rain accumulation and runoff is evaluated as if the rainwater had been a "spill". New employees are trained concerning the SPCC plan, generally within 2 weeks of starting work.

Instructions and phone numbers regarding the reporting of a spill to the National Response Center and the state are listed on the cover page of this plan and have been posted.

#### Attachment A

# CERTIFICATION OF THE APPLICABILITY OF THE SUBSTANTIAL HARM CRITERIA CHECKLIST

FA	ACILITY NAME:	Ortek Inc.	FACILITY ADDRESS:	7601 W. 47 <sup>th</sup> Street McCook, IL 60525
l.	greater than	ransfer oil over wate or equal to 42,000 g	er of from vessels and does the facil	lity have a total oil storage capacity
	Yes			No X
2.	facility lack	secondary containn d oil storage tank pl	ge capacity greater than or equal to nent that is sufficiently large to cont us sufficient freeboard to allow for	I million gallons and does the ain the capacity of the largest precipitation within any aboveground oi
	Yes			No <u>X</u>
3.	Does the facility ha	ive a total oil storag distance (as calcula	e capacity greater than or equal to leted using the formula in Attachmen	million gallons and is the facility t C-III, Appendix C, 40 CFR 112 or a
	sensitive env and III to DC	ironments? For fur DC/NOAA's "Guida	a discharge from the facility could of ther description of fish and wildlife ince for Facility and Vessel Respon ailability) and the applicable Area (	Contingency Plan.
				No <u>X</u>
4.	located at a d	listance (as calculate		nt C-III, Appendix C, 40 CFR 112 or a
	intake <sup>2</sup> ?	formula <sup>1</sup> ) such that	a discharge from the facility would	shut down a public drinking water
	Yes			No X
5.	Does the facility have experienced a Yes	ave a total oil storag reportable oil spill	te capacity greater than or equal to in an amount greater than or equal	1 million gallons and has the facility to 10,000 gallons within the last 5 years' No _X_
			CERTIFICATION	
I ce	document, and that	t based on my inquir	ersonally examined and am familiar	with the information submitted in this for obtaining this information, I believe
	Lowell Augh	enbaugh		
	Name (please type	or print)	Signature	······································
	Facility Manage	er		
	Title		Date	<del>1-1</del>

<sup>&</sup>lt;sup>1</sup>If a comparable formula is used, documentation of the reliability and analytical soundness of the comparable formula must be attached to this form.

<sup>&</sup>lt;sup>2</sup>For the purposes of 40 CFR part 112, public drinking water intakes are analogous to the public water systems as described at 40 CFR 143.2©. (from 40 CFR 112 Appendix C, Attachment C-II)

Appendix C

ORTE	K STORAGE TANKS & PR	OCESS E	QUIPMENT -	CURRENT	ļ				ļ	<u></u>
TANK NUMBER	PRODUCT STORED	CAPACITY	YEAR BUILT	DIAMETER	HEIGHT	STATUS	MFG.	S.N.#	gal/in	ga
D-1	NOT IN SERVICE	15,000	1974	12.00	17 75	SAME			70	<del> </del> -
D-2	NOT IN SERVICE	15,000	1977	12.00	17.75	SAME	IMPERIAL	9831	70	·ŗ
1	OILY WASTE EMULSIONS	15000	1976	12.00	17.75	SAME	IMPERIAL	9831	70	
2	OILY WASTE EMULSIONS	15,000	1976	12.00	17.75	SAME			70	1
3	OILY WASTE EMULSIONS	15,'000	1976	12.00	17.75	SAME	BACON		70	<del>†</del>
4	OILY WASTE EMULSIONS	21,300	1962	11.00	30.00	SAME		·	53	1
5	OILY WASTE EMULSIONS	21,300	1962	11,00	30.00	SAME			58	7
6	OILY WASTE EMULSIONS	21,300	1962	11.00	30,00	SAME			55	T
7	#5 FUEL OIL - WET	28,770	1978	11.83	35.00	CHANGE			58	1
8	NOT IN SERVICE	28,770	1976	11.83	35.00	CHANGE			÷ €s	7
9	NOT IN SERVICE	28,770	1978	11.83	35.00	CHANGE			68	1
10	NOT IN SERVICE	28,770	1978	11.83	35.00	SCRAP			68	Ť
20	NOT IN SERVICE	8,000	1972	13.60	16.3	empty			91	·r
. 98	NOT IN SERVICE	21,300	1969	11.00	30.00	CHANGE	**************************************		- 68	<del>                                     </del>
99	NOT IN SERVICE	21,300	1969	11.00	30,00	CHANGE			58	
100	NOT IN SERVICE	250,000	1954	35.00	36,00	CHANGE			500	į –
101	NOT IN SERVICE	250,000	1954	35.00	36.00	SCRAP	GRAVER	1092	630	·
110	NOT IN SERVICE	15,000	1964	10.50	23.20	UNKNOWN	010(403)	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	54	Т
120	#5 FUEL OIL - WET	21,300	1952	11.00	30.00	SAME			59	T
121	#5 FUEL OIL - WET	21,300	1952	11.00	30.00	SAME			59	7
122	#5 FUEL OIL - DRY	21,300	1952	11.00	30.00	SAME			58	Ť ^
123	USED OIL	21,300	1952	11.00	30.00	CHANGE			55	1
124	USED OIL	21,300	1952	11.00	30.00	CHANGE			5#	1
125	USED OIL	21,300	1952	11.00	30.00	CHANGE	·		58	
126	USED OIL	21,300	1952	11.00	30.00	CHANGE			58	T
127	USED OIL	21,300	1952	11.00	30.00	CHANGE			58	1
128	WATER SOLUBLE	21,300	1952	11.00	30.00	SAME			50	-
129	WATER SOLUBLE	21,300	1952	11.00	30.00	SAME			55	Τ.
130	USED OIL	21,300	1952	11.00	30.00	SAME			5.5	1
131	USED OIL	21,300	1952	11.00	30.00	SAME			T	7-
132	USED OIL	21,300	1952	11.00	30.00	SAME			50	7
133	USED OIL		1952	11.00	30.00	SAME			58	
143	)	21,300	1969	11.00	30.00	CHANGE	IMPERIAL	7428	56	1
144	NOT IN SERVICE NOT IN SERVICE	21,300 21,300	1969	11.00	30.00	CHANGE	IMPERIAL	7428	58 58	
145			1969	1	30.00	CHANGE	IMPERIAL	7549	-	1
	#5 FUEL OIL - WET	21,300	i	11.00	·	1			56	Ţ
146	#5 FUEL OIL - DRY	21,300	1969	11.00	30.00	SAME	IMPERIAL	7549	58	í
201	FLUSHING OIL	1,500	1962	5.00	10.20	SAME		·	12	1
204	NOT IN SERVICE	2,100	1958	4.70	16.00	1			15	Ţ
205	NOT IN SERVICE	2,100	1958	4.70	16.00	UNKNOWN			13	
207	SJR 2000	2,750	1958	5.75	14.00	UNKNOWN			16	$\top$
208	SJR 2000	2,750	1958	5.75	14.00					<del>-</del>
210	SJR 2000	2,750	1958	5.75	14.00	SAME .			155	Ţ
211	H CAL 2400	2,750	1958	5.75	14.00	SAME			10	Ţ
212	H CAL 2400	2,750	1958	5.75	14.00	SAME			16	7
213	ELCO 102 BLEND	2,750	1958	5.75	14.00	SAME			16	Ţ
214	NIS	2,750	1958	5.75	14.00	SAME		_,	10)	7
215	EXXON 80 NEUTRAL	2,750	1958	5.75	14.00	UNKNOWN			16	
216	ELCO 102 BLEND	2,750	1958	5.75	14.00	SAME	mente e d'un como un companyo que estra destado base e a		16	Ţ
217	RIGID DARK TANK	2,750	1958	5.75	14.00	UNKNOWN			1E	7
237	INFINEUM 4540	6,200	1962	8 00	16.48	SAME			39.5	
238	IPC 1500	5,200	1962	8.00	16.48	SAME			31.5	7'
240	SK 150 NEUTRAL	19,900	1962	11,00	27.20	CHANGE			54	7
241	ORTEK BASE OIL-150	10,500	1962	11.00	15.00	SAME			59	
242	INFINEUM SL P 5066	12,000	1962	11.00	17.00	SAME		.00	58	1
250	BLENDING TANK	7,500	1962	8.450	17.87	SAME	GRAVER	46309	35	1
251	BRANNEN SJ	5,200	1962	8,000	16.48	SAME		ı	315	í.

## ATTACHMENT I

Release Information 7/14/10



## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829 James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

PAT QUINN, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

#### **Incident Inquiry Letter**

July 28, 2010

Mr. Robert Kolar Ortec Inc. 7601 W 47th St McCook, IL 60525

Re: IEMA Incident 20100795/20100797, McCook, Cook County, Illinois

Dear Mr. Kolar,

On July 24, 2010, this office received information that you and/or an organization that you represent were involved in an environmental incident, which occurred at or near 7601 W 47th St on or before July 24, 2010. Our records currently indicate the involvement of 1,000 gallons of motor oil.

The Illinois Environmental Protection Agency (IEPA) is sending this Incident Inquiry Letter to request further information about the facts and circumstances related to the above referenced incident, pursuant to Section 4(h) of the Environmental Protection Act, 415 ILCS 5/4(h). The IEPA is also seeking information on any actions you have taken or plan to take in response to the incident. Please provide IEPA with the following, to the extent applicable to this incident:

- a description of what happened and how it happened
- any mitigation actions taken at the time of the incident
- a description of any additional cleanup and preventive actions planned
- if cleanup and disposal have not been completed when you submit your response to this Incident Inquiry Letter, include in your response an estimated time schedule for completing such actions. Upon completion, please submit a final report explaining cleanup actions and disposal.
- □ the specific information requested in the enclosed attachment(s)

A written response to this Incident Inquiry Letter is expected by August 27, 2010. If any remediation activities are not completed by this date, submit all information available and a schedule for the completion of the rest. The IEMA Incident number, city, county and responsible party name should be noted in all correspondence about this incident. Please submit one copy of your response to:

Illinois Environmental Protection Agency Office of Emergency Response Emergency Operations Unit 1021 North Grand Avenue East P.O. Box 19276, Mail Drop #29 Springfield, Illinois 62794-9276 Illinois Environmental Protection Agency Emergency Operations Unit 9511 West Harrison Des Plaines, Illinois 60016

If you have any questions regarding any of the above, please contact the undersigned at 847/294-4000.

Sincerely,

Don Klopke, Senior Emergency Responder Emergency Operations Unit

allalle

Office of Emergency Response

cc:

Incident File
Des Plaines EOU
John Waligore

# ORTEK INC.

"Recycling for Tomorrow's Future"

August 5, 2010

Illinois Environmental Protection Agency Office of Emergency Operations Unit 1021 North Grand Avenue East P.O. Box 19276, Mail Drop #29 Springfield, IL 62794-9276

Re: IEMA Incident 20100795/20100797, McCook, Cook County, Illinois

To Whom it may concern:

We are responding to the letter dated July 28, 2010, from the Illinois Environmental Protection Agency regarding Incident 20100795/20100797, McCook, Cook County, Illinois. The clean-up is being addressed by Anna VanOrden and we are complying. A full report will be submitted by Anna when the project has been completed.

Sincerely,

Robert Kolar

Plant Manager

cc: Mr. Don Klopke, Senior Emergency Responder Illinois Environmental Protection Agency 9511 West Harrison Des Plaines, IL 60016

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-0

August 13, 2010

Chicago Diversified Projects

6015 N. Ridge

Chicago, IL 60660

Telephone: (773) 465-7700

Fax:

(773) 973-5073

RE: EC-7000

STAT Project No: 10080152

Dear Don Gors:

STAT Analysis received 9 samples for the referenced project on 8/5/2010 1:30:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Date: August 13, 2010

Client:	
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Chicago Diversified Projects

Project: Lab Order:	EC-7000 Work Order Sample St 10080152								
Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received	,				
10080152-001A	#1 Soil		8/4/2010 8:00:00 PM	8/5/2010					
10080152-002A	#2 Soil		8/4/2010 8:10:00 PM	8/5/2010					
10080152-003A	#3 Soil		8/4/2010 8:15:00 PM	8/5/2010					
10080152-004A	#4 Soil		8/4/2010 8:20:00 PM	8/5/2010					
10080152-005A	#5 Soil		8/4/2010 8:25:00 PM	8/5/2010					
10080152-006A	#6 Soil		8/4/2010 8:30:00 PM	8/5/2010					
10080152-007A	#7 Soil		8/4/2010 8:35:00 PM	8/5/2010					
10080152-008A	#8 Soil		8/4/2010 8:40:00 PM	8/5/2010					
10080152-009A	#9 Soil		8/4/2010 8:45:00 PM	8/5/2010					

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Report Date: August 13, 2010
Print Date: August 13, 2010

Client:

Chicago Diversified Projects

Client Sample ID: #1 Soil

Lab Order:

10080152

Tag Number:

Project:

EC-7000

ragivernmen.

Lab ID:

10080152-001 A

Collection Date: 8/4/2010 8:00:00 PM

Matrix: Soil

Lab ID: 10080152-001A	Matrix: Soil						
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed	
Polynuclear Aromatic Hydrocarbons	SW8	270C-SIM	(SW3550B)	) Prep	Date: 8/11/2010	Analyst: VS	
Acenaphthene	ND	0.041	n	ıg/Kg-dry	10	8/11/2010	
Acenaphthylene	ND	0.041	rr	ig/Kg-dry	10	8/11/2010	
Anthracene	ND	0.041	m	ig/Kg-dry	10	8/11/2010	
Benz(a)anthracene	ND	0.041	'n	ng/Kg-dry	10	8/11/2010	
Benzo(a)pyrene	ND	0.041	វា	ng/Kg-dry	10	8/11/2010	
Benzo(b)fluoranthene	ND	0.041	n	ng/Kg-dry	10	8/11/2010	
Benzo(g,h,i)perylene	ND	0.041	n	ig/Kg-dry	10	8/11/2010	
Benzo(k)fluoranthene	ND	0.041	n	ig/Kg-dry	10	8/11/2010	
Chrysene	ND	0.041	n	ng/Kg-dry	10	8/11/2010	
Dibenz(a,h)anthracene	ND	0.041	n	g/Kg-dry	10	8/11/2010	
Fluoranthene	0.054	0.041	n	ng/Kg-dry	10	8/11/2010	
Fluorene	ND	0.041	n	ng/Kg-dry	10	8/11/2010	
Indeno(1,2,3-cd)pyrene	ND	0.041	n	ng/Kg-dry	10	8/11/2010	
Naphthalene	ND	0.041	n	ng/Kg-dry	10	8/11/2010	
Phenanthrene	ND	0.041	n	ng/Kg-dry	10	8/11/2010	
Pyrene	0.058	0.041	n	ng/Kg-dry	10	8/11/2010	
BTEX by GC/MS	SW8	260B		Prep	Date: 8/5/2010	Analyst: PS	
Benzene	ND	0.0056	n	ng/Kg-dry	1	8/9/2010	
Toluene	ND	0.0056	n	ng/Kg-dry	1	8/9/2010	
Ethylbenzene	ND	0.0056	n	ng/Kg-dry	1	8/9/2010	
Xylenes, Total	ND	0.018	n	ng/Kg-dry	1	8/9/2010	
Percent Moisture	D297	4		Prep	Date: 8/9/2010	Analyst: JP	
Percent Moisture	20.2	0.2	*	wt%	1	8/10/2010	

On.	-51	31	Fèa	F 8	•

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

<sup>\* -</sup> Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

> Report Date: August 13, 2010 Print Date: August 13, 2010

Client:

Chicago Diversified Projects

Client Sample ID: #2 Soil

Lab Order:

10080152

Tag Number:

Project:

EC-7000

Collection Date: 8/4/2010 8:10:00 PM

Lab ID: 10080152-002A Matrix: Soil Result RL Qualifier Units DF Analyses Date Analyzed Polynuclear Aromatic Hydrocarbons SW8270C-SIM (SW3550B) Prep Date: 8/11/2010 Analyst: VS Acenaphthene ND 0.041 mg/Kg-dry 10 8/11/2010 0.041 Acenaphthylene ND mg/Kg-dry 10 8/11/2010 Anthracene ND 0.041 mg/Kg-dry 10 8/11/2010 0.041 Benz(a)anthracene NΩ mg/Kg-dry 10 8/11/2010 Benzo(a)pyrene ND 0.041 mg/Kg-dry 10 8/11/2010 Benzo(b)fluoranthene ND 0.041 mg/Kg-dry 10 8/11/2010 Benzo(g.h,i)perylene ND 0.041 mg/Kg-dry 10 8/11/2010 0.062 0.041 Benzo(k)fluoranthene mg/Kg-dry 10 8/11/2010 ND 0.041 10 Chrysene mg/Kg-dry 8/11/2010 ND 0.041 Dibenz(a,h)anthracene mg/Kg-dry 10 8/11/2010 0.041 Fluoranthene 0.041 mg/Kg-dry 10 8/11/2010 Fluorene ND 0.041 mg/Kg-dry 10 8/11/2010 0.041 mg/Kg-dry 10 8/11/2010 Indeno(1,2,3-cd)pyrene ND Naphthalene ND 0.041 mg/Kg-dry 10 8/11/2010 ND 0.041 mg/Kg-dry 10 8/11/2010 Phenanthrene 0.074 0.041 8/11/2010 mg/Kg-dry 10 Pyrene SW8260B Prep Date: 8/5/2010 Analyst: PS BTEX by GC/MS ND 0.0059 mg/Kg-dry 8/9/2010 Benzene ND 0.0059 mg/Kg-dry 8/9/2010 Toluene 1 0.0059 8/9/2010 ND mg/Kg-dry 1 Ethylbenzene ND 0.018 8/9/2010 mg/Kg-dry Xylenes, Total **Percent Moisture** D2974 Prep Date: 8/9/2010 Analyst: JP

0.2

20.0

Qualiflers:

Percent Moisture

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

8/10/2010

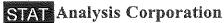
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

wt%



2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

> Report Date: August 13, 2010 Print Date: August 13, 2010

Client:

Chicago Diversified Projects

Client Sample ID: #3 Soil

Lab Order:

10080152

Tag Number:

Project: I oh m.

EC-7000 10080152-003 A

Collection Date: 8/4/2010 8:15:00 PM

Matrix: Soil

Matrix: Soil							
Result	RL	Qualifier	Units	<b>DF</b>	Date Analyzed		
SW8	270C-SIM	(SW3550B)	Prep	Date: 8/11/2010	Analyst: VS		
0.042	0.038	m	g/Kg-dry	10	8/11/2010		
0.042	0.038	m	g/Kg-dry	10	8/11/2010		
ND	0.038	m	g/Kg-dry	10	8/11/2010		
0.042	0.038	ខា	ig/Kg-dry	10	8/11/2010		
ND	0.038	m	g/Kg-dry	10	8/11/2010		
ND	0.038	m	ig/Kg-dry	10	8/11/2010		
ND	0.038	m	ıg/Kg-dry	10	8/11/2010		
ND	0.038	m	ıg/Kg-dry	10	8/11/2010		
0.053	0.038	m	ig/Kg-dry	10	8/11/2010		
ND	0.038	វា	ig/Kg-dry	10	8/11/2010		
0.061	0.038	m	ig/Kg-dry	10	8/11/2010		
ND	0.038	m	ıg/Kg-ary	10	8/11/2010		
ND	0.038	m	ig/Kg-dry	10	8/11/2010		
0.099	0.038	n	ıg/Kg-dry	10	8/11/2010		
0.08	0.038	π	ig/Kg-dry	10	8/11/2010		
0.095	0.038	п	ng/Kg-dry	10	8/11/2010		
SW8	260B		Prep	Date: 8/5/2010	Analyst: PS		
ND	0.0051	n	ng/Kg-dry	1	8/9/2010		
DM	0.0051	m	ig/Kg-dry	1	8/9/2010		
0.0074	0.0051	n	ıg/Kg-dry	1	8/9/2010		
0.033	0.015	n	ng/Kg-dry	1	8/9/2010		
D297	14		Prep	Date: <b>8/9/201</b> 0			
14.1	0.2	*	wt%	1	8/10/2010		
	\$W85 0.042 0.042 ND 0.042 ND ND ND ND ND 0.053 ND 0.061 ND 0.061 ND ND 0.099 0.08 0.095 \$W8 ND	\$W8270C-\$IM\$  0.042	SW8270C-SIM (SW3550B)  0.042	Result         RL         Qualifier         Units           SW8270C-SIM         (SW3550B)         Prep           0.042         0.038         mg/Kg-dry           0.042         0.038         mg/Kg-dry           ND         0.038         mg/Kg-dry           0.099         0.038         mg/Kg-dry           0.095         0.038         mg/Kg-dry           ND         0.0051         mg/Kg-dry           ND         0.0051         mg/Kg-dry           ND         0.0051         mg/Kg-dry           ND         0.0051         mg/Kg-dry           ND         <	Result         RL         Qualifier         Units         DF           SW8270C-SIM         (SW3550B)         Prep Date: 8/11/2010           0.042         0.038         mg/Kg-dry         10           ND         0.038         mg/Kg-dry         10           0.099         0.038         mg/Kg-dry         10           0.095         0.038         mg/Kg-dry         10           ND         0.0051         mg/Kg-dry         1           ND         0.00		

#### Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

> Report Date: August 13, 2010 Print Date: August 13, 2010

Client:

Chicago Diversified Projects

Client Sample ID: #4 Soil

Lab Order:

10080152

Project:

EC-7000

Tag Number:

Lab ID:

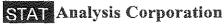
Collection Date: 8/4/2010 8:20:00 PM

Lab ID:	10080152-004A				Matrix	: Soil	
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Polynuclear	Aromatic Hydrocarbons	SW82	70C-SIM	(SW3550B	) Prep	Date: 8/11/2010	Analyst: V\$
Acenaphther	ne	ND	0.041	r	ng/Kg-dry	10	8/12/2010
Acenaphthyl	lene	ND	0.041	r	ng/Kg-dry	10	8/12/2010
Anthracene		ND	0.041	r	ng/Kg-dry	10	8/12/2010
Benz(a)anth	таселе	0.084	0.041	r	ng/Kg-dry	10	8/12/2010
Benzo(a)pyr	rene	0.079	0.041	r	ng/Kg-dry	10	8/12/2010
Benzo(b)fluc	oranthene	0.1	0.041	r	ng/Kg-dry	10	8/12/2010
Benzo(g,h,i)	perylene	ND	0.041	r	ng/Kg-dry	10	8/12/2010
Benzo(k)fluc	pranthene	0.063	0.041	r	ng/Kg-dry	10	8/12/2010
Chrysene		0.1	0.041	1	ng/Kg-dry	10	8/12/2010
Dibenz(a,h)a	anthracene	ND	0.041	г	ng/Kg-dry	10	8/12/2010
Fluoranthene	<del>)</del>	0.17	0.041	r	ng/Kg-dry	10	8/12/2010
Fluorene		ND	0.041	r	ng/Kg-dry	10	8/12/2010
Indeno(1,2,3	3-cd)pyrene	ND	0.041	1	ng/Kg-dry	10	8/12/2010
Naphthalene		ND	0.041	r	ng/Kg-dry	10	8/12/2010
Phenanthren	e	0.084	0.041	r	ng/Kg-dry	10	8/12/2010
Pyrene		0.18	0.041	r	ng/Kg-dry	10	8/12/2010
BTEX by GC/	MS	SW8	260B		Prep	Date: 8/5/2010	Analyst: PS
Benzene		ND	0.0071	ŕ	ng/Kg-dry	1	8/9/2010
Toluene		ND	0.0071	ī	ng/Kg-dry	1	8/9/2010
Ethylbenzen	Ð	ND	0.0071	Ī	ng/Kg-dry	1	8/9/2010
Xylenes, Tot	al	ND	0.021	1	mg/Kg-dry	. 1	8/9/2010
Percent Moi	sture	D297	4		Prep	Date: <b>8/9/2010</b>	Analyst: JP
Percent Moi:	sture	20.8	0.2	*	wt%	1	8/10/2010

#### Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- HT Sample received past holding time
- \* Non-accredited parameter

- RL Reporting / Quantitation Limit for the analysis
- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- H Holding time exceeded



2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

> Report Date: August 13, 2010 Print Date: August 13, 2010

Client:

Chicago Diversified Projects

Client Sample ID: #5 Soil

Lab Order:

10080152

Tag Number:

Project:

Lab ID:

EC-7000

Collection Date: 8/4/2010 8:25:00 PM

Lab ID:	10080152-005A				Matrix	: Soil	
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Polynuclear Ar	romatic Hydrocarbons	SW82	70C-SIM	(SW3550B	) Prep	Date: 8/11/2010	Analyst: VS
Acenaphthene		ND	0.049	n	ng/Kg-dry	10	8/12/2010
Acenaphthyler	ne	ND	0.049	n	ng/Kg-dry	10	8/12/2010
Anthracene		ND	0.049	Π	ng/Kg-dry	10	8/12/2010
Benz(a)anthrad	cene	0.14	0.049	ภ	ng/Kg-dry	10	8/12/2010
Benzo(a)pyren	ne	0.14	0.049	n	ng/K <b>g-d</b> ry	10	8/12/2010
Benzo(b)fluora	inthene	0.13	0.049	វា	ng/Kg-dry	10	8/12/2010
Benzo(g,h,i)pe	rylene	0.065	0.049	n	ng/Kg-dry	10	8/12/2010
Benzo(k)fluora	nthene	0.17	0.049	n	ng/Kg-dry	10	8/12/2010
Chrysene		0.16	0.049	n	ng/Kg-dry	10	8/12/2010
Dibenz(a,h)ant	hracene	ND	0.049	n	ng/Kg-dry	10	8/12/2010
Fluoranthene		0.31	0.049	n	ng/Kg-dry	10	8/12/2010
Fluorene		ND	0.049	n	ng/Kg-dry	10	8/12/2010
Indeno(1,2,3-c	d)pyrene	0.055	0.049	n	ng/Kg-dry	10	8/12/2010
Naphthalene		ND	0.049	n	ng/Kg-dry	10	8/12/2010
Phenanthrene		0.14	0.049	n	ng/Kg-dry	10	8/12/2010
Pyrene		0.28	0.049	r	ng/Kg-dry	10	8/12/2010
BTEX by GC/M	S	SW82	260B		Prep	Date: 8/5/2010	Analyst: PS
Benzene		ND	0.0085	r	ng/Kg-dry	1	8/9/2010
Toluene		ND	0.0085	ī	ng/Kg-dry	1	8/9/2010
Ethylbenzene		ND	0.0085	£	ng/Kg-dry	1	8/9/2010
Xylenes, Total		ND	0.026	ı	ng/Kg-dry	1	8/9/2010
Percent Moist	ure	D297	4		Prep	Date: 8/9/2010	Analyst: JP
Percent Moistu	ıre	33.8	0.2	*	wt%	1	8/10/2010

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

> Report Date: August 13, 2010 Print Date: August 13, 2010

Client:

Chicago Diversified Projects

Client Sample ID: #6 Soil

Lab Order:

10080152

Project:

Tag Number:

EC-7000

Collection Date: 8/4/2010 8:30:00 PM

Lab ID:

10080152-006A

Matrix: Soil

Lab ID: 10080152-000A.	IVIARIA, OVII							
Analyses	Result	RL	Qualifier 1	Units	DF	Date Analyzed		
Polynuclear Aromatic Hydrocarbons	SW82	270C-SIM	(SW3550B)	Prep	Date: 8/11/2010	Analyst VS		
Acenaphthene	ND	0.041	វាg	/Kg-dry	10	8/12/2010		
Acenaphthylene	ND	0.041	mg	/Kg-dry	10	8/12/2010		
Anthracene	ND	0.041	mg	/Kg-dry	10	8/12/2010		
Benz(a)anthracene	0.058	0.041	mg	ı/Kg-dry	10	8/12/2010		
Benzo(a)pyrene	0.041	0.041	mg	/Kg-dry	10	8/12/2010		
Benzo(b)fluoranthene	0.075	0.041	mg	;/Kg-dry	10	8/12/2010		
Benzo(g,h,i)perylene	0.066	0.041	mg	j/Kg-dry	10	8/12/2010		
Benzo(k)fluoranthene	0.079	0.041	mg	g/Kg-dry	10	8/12/2010		
Chrysene	0.075	0.041	mg	g/Kg-dry	10	8/12/2010		
Dibenz(a,h)anthracene	ND	0.041	mç	g/Kg-dry	10	8/12/2010		
Fluoranthene	0.12	0.041	mg	/Kg-dry	10	8/12/2010		
Fluorene	ND	0.041	ពាឲ្	g/Kg-dry	10	8/12/2010		
Indeno(1,2,3-cd)pyrene	0.046	0.041	mg	g/Kg-dry	10	8/12/2010		
Naphthalene	ND	0.041	mg	g/Kg-dry	10	8/12/2010		
Phenanthrene	0.058	0.041	mç	g/Kg-dry	10	8/12/2010		
Pyrene	0.1	0.041	m	g/Kg-dry	10	8/12/2010		
BTEX by GC/MS	SW8	260B		Prep	Date: 8/5/2010	Analyst: PS		
Benzene	ND	0.0062	m	g/Kg-dry	1	8/9/2010		
Toluene	ND	0.0062	m	g/Kg-dry	1	8/9/2010		
Ethylbenzene	ND	0.0062	m	g/Kg-dry	1	8/9/2010		
Xylenes, Total	ND	0.019	m	g/Kg-dry	1	8/9/2010		
Percent Moisture	D29	74			Date: 8/9/2010			
Percent Moisture	20.0	0.2	*	wt%	1	8/10/2010		

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ND - Not Detected at the Reporting Limit

I - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

<sup>\* -</sup> Non-accredited parameter

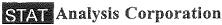
RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded



2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

> Report Date: August 13, 2010 Print Date: August 13, 2010

Client:

Chicago Diversified Projects

Client Sample ID:

#7 Soil

Lab Order:

10080152

Tag Number:

Project:

EC-7000

Collection Date: 8/4/2010 8:35:00 PM

Lab ID:	10080152-007A				Matrix	: Soil	
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Polynuclear A	Aromatic Hydrocarbons	SW8	270C-SIM	(SW3550B	) Prep	Date: 8/11/2016	Analyst: VS
Acenaphthen	16	ND	0.041	n	ng/Kg-dry	10	8/11/2010
Acenaphthyl	ene	ND	0.041	n	ng/Kg-dry	10	8/11/2010
Anthracene		ND	0.041	n	ng/Kg-dry	10	8/11/2010
Benz(a)anthi	acene	0.075	0.041	ก	ng/Kg-dry	10	8/11/2010
Benzo(a)pyr	ene	0.083	0.041	η	ng/Kg-dry	10	8/11/2010
Benzo(b)fluo	ranthene	0.075	0.041	n	ng/Kg-dry	10	8/11/2010
Benzo(g,h,i)p	perylene	ND	0.041	n	ng/Kg-dry	10	8/11/2010
Benzo(k)fluo	ranthene	0.1	0.041	វា	ng/Kg-dry	10	8/11/2010
Chrysene		0.092	0.041	ព	ng/Kg-dry	10	8/11/2010
Dibenz(a,h)a	nthracene	ND	0.041	n	ng/Kg-dry	10	8/11/2010
Fluoranthene	ı	0.17	0.041	n	ng/Kg-dry	10	8/11/2010
Fluorene		ND	0.041	ri	ng/Kg-dry	10	8/11/2010
Indeno(1,2,3	-cd)pyrene	ND	0.041	r	ng/Kg-dry	10	8/11/2010
Naphthalene		ND	0.041	ŗ	ng/Kg-dry	10	8/11/2010
Phenanthren	e	0.075	0.041	ē.	ng/Kg-dry	10	8/11/2010
Pyrene		0.14	0.041	ſ	ng/Kg-dry	10	8/11/2010
BTEX by GC/	MS	SW8	260B		Ргер	Date: 8/5/2010	Analyst: PS
Benzene		ND	0.0066	r	ng/Kg-dry	1	8/9/2010
Toluene		ND	0.0066	r	ng/Kg-dry	1	8/9/2010
Ethylbenzeni	<del>)</del>	ND	0.0066	ſ	ng/Kg-dry	1	8/9/2010
Xylenes, Tota	al	ND	0.02	1	ng/Kg-dry	1	8/9/2010
Percent Moi:	sture	D291	74		Prep	Date: <b>8/9/2010</b>	•
Percent Mois	sture	20.3		*	wt%	1	8/10/2010

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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> Report Date: August 13, 2010 Print Date: August 13, 2010

Client:

Chicago Diversified Projects

Client Sample ID:

Lab Order:

10080152

#8 Soil

Tag Number:

Project:

EC-7000

Lab ID:

10080152-008A

Collection Date: 8/4/2010 8:40:00 PM

A Sadain.	Call
Matrix:	Soil

	ITIGUEA. DUI								
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed			
Polynuclear Aromatic Hydrocarbons	SW8	270C-SIM	(SW3550B)	Prep	Date: 8/11/201	0 Analyst: VS			
Acenaphthene	ND	0.044	m	g/Kg-dry	10	8/11/2010			
Acenaphthylene	ND	0.044	m	g/Kg-dry	10	8/11/2010			
Anthracene	ND	0.044	m	g/Kg-dry	10	8/11/2010			
Benz(a)anthracene	0.075	0.044	m	g/Kg-dry	10	8/11/2010			
Benzo(a)pyrene	0.075	0.044	m	g/Kg-dry	10	8/11/2010			
Benzo(b)fluoranthene	0.084	0.044	m	g/Kg-dry	10	8/11/2010			
Benzo(g,h,i)perylene	ND	0.044	m	g/Kg-dry	10	8/11/2010			
Benzo(k)fluoranthene	0.066	0.044	m	g/Kg-dry	10	8/11/2010			
Chrysene	0.084	0.044	m	g/Kg-dry	10	8/11/2010			
Dibenz(a,h)anthracene	ND	0.044		g/Kg-dry	10	8/11/2010			
Fluoranthene	0.15	0.044		g/Kg-dry	10	8/11/2010			
Fluorene	ND	0.044		g/Kg-dry	10	8/11/2010			
Indeno(1,2,3-cd)pyrene	ND	0.044	m	g/Kg-dry	10	8/11/2010			
Naphthalene	ND	0.044	m	g/Kg-dry	10	8/11/2010			
Phenanthrene	0.066	0.044	m	g/Kg-dry	10	8/11/2010			
Pyrene	0.14	0.044		g/Kg-dry	10	8/11/2010			
BTEX by GC/MS	SW8	260B		Prep	Date: 8/5/2010	Analyst: PS			
Benzene	ND	0.0057	m	g/Kg-dry	1	8/9/2010			
Toluene	ND	0.0057	m	g/Kg-dry	1	8/9/2010			
Ethylbenzene	ND	0.0057	m	g/Kg-dry	1	8/9/2010			
Xylenes, Total	NO	0.017	m	g/Kg-dry	1	8/9/2010			
Percent Moisture	D297	74		Prep	Date: 8/9/2010	Analyst: JP			
Percent Moisture	24.5	0.2	÷	wt%	1	8/10/2010			

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ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

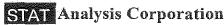
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



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> Report Date: August 13, 2010 Print Date: August 13, 2010

Client:

Chicago Diversified Projects

Client Sample ID: #9 Soil

Lab Order:

10080152

Tag Number:

Project:

EC-7000

I ah III:

10080152-0094

Collection Date: 8/4/2010 8:45:00 PM

Matrix Soil

Lab ID: 10080152-009A			Matrix.	: Soil	
Analyses	Result	RL	Qualifier Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons	SW8:	270C-SIM	(SW3550B) Prep	Date: 8/11/2010	Analyst: VS
Acenaphthene	ND	0.041	mg/Kg-dry	10	8/11/2010
Acenaphthylene	ND	0.041	mg/Kg-dry	10	8/11/2010
Anthracene	ND	0.041	mg/Kg-dry	10	8/11/2010
Benz(a)anthracene	ND	0.041	mg/Kg-dry	10	8/11/2010
Benzo(a)pyrene	ND	0.041	mg/Kg-dry	10	8/11/2010
Benzo(b)fluoranthene	0.05	0.041	mg/Kg-dry	10	8/11/2010
Benzo(g,h,i)perylene	ND	0.041	mg/Kg-dry	10	8/11/2010
Вепzo(k)fluoranthene	ND	0.041	mg/Kg-dry	10	8/11/2010
Chrysene	ND	0.041	mg/Kg-dry	10	8/11/2010
Dibenz(a,h)anthracene	ND	0.041	mg/Kg-dry	10	8/11/2010
Fluoranthene	0.083	0.041	mg/Kg-dry	10	8/11/2010
Fluorene	ND	0.041	mg/Kg-dry	10	8/11/2010
Indeno(1,2,3-cd)pyrene	ND	0.041	mg/Kg-dry	10	8/11/2010
Naphthalene	ND	0.041	mg/Kg-dry	10	8/11/2010
Phenanthrene	0.042	0.041	mg/Kg-dry	10	8/11/2010
Pyrene	0.066	0.041	mg/Kg-dry	10	8/11/2010
BTEX by GC/MS	SW8	260B	Prep	Date: 8/5/2010	Analyst: PS
Benzene	ND	0.0058	mg/Kg-dry	1	8/9/2010
Toluene	ND	0.0058	mg/Kg-dry	1	8/9/2010
Ethylbenzene	ND	0.0058	mg/Kg-dry	1	8/9/2010
Xylenes, Total	ND	0.018	mg/Kg-dry	1	8/9/2010
Percent Moisture	D297	74	Prep	Date: 8/9/2010	Analyst: JP
Percent Moisture	20.3	0.2	* wt%	1	8/10/2010

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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2142 W. Harrison Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386

e-mail address: STATinju@STATAnalysis.com AIHA, NVLAP and NELAP accredited

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Project Number: EC-7000				Client									_		,	//	//	/,	//	//	//		//		//.
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Client Sample Number/Description:		Taken	Time Taken	Matrix	Сощр	Grab	Preserv	No. of Containers		<u> </u>												Rema	rks /		am/pm
#1 SOFC	8-0	4-10	8:00		1_				X																
#2 SOIL			8:10						X												~~~				
#3 SOIL #4 SOIL			8:15			<u> </u>			X														AND-EVENTER-TO		
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#5 SOFL			8-25						X				↓_	<u> </u>											
#6 SOIL			8:30					Cortonios	X									_							
#150IL			8:35						X			_						_							
# 5 SOFL # 6 SOTL # 7 SOTL # 8 SOTL # 9 SOTL			8:40	<u> </u>					X							_	$\perp$								
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Received by: (Signature)				Date/	Time:				D=	HSC	) <sub>4</sub> E	= HCl	F	5035	/EnCo	re 1	G = (	)ther							

## Sample Receipt Checklist

Client Name CDP			Date and Tim	e Received:	8/5/2010 1:30:00 PM
Work Order Number 10080152	and the same of th		Received by:	COF	
Checklist completed by:  Signature	Date	5/5/10	Reviewed by:	Initials 8	15 (10 Date
Matrix:	Carrier name:	Client Delivered			
Shipping container/cooler in good co	ndition?	Yes 🗹	No 🗌	Not Present	
Custody seals intact on shippping co	ntainer/cooler?	Yes	No 🗔	Not Present 🔽	
Custody seals intact on sample bottle	es?	Yes 🗌	No 🗌	Not Present 🗹	
Chain of custody present?		Yes 🗹	No 🗌		·
Chain of custody signed when reling	uished and received?	Yes 🗹	No 🗔	•	
Chain of custody agrees with sample	a labels/containers?	Yes 🗹	No 🗀		
Samples in proper container/bottle?		Yes 🗹	No []'	To the second	
Sample containers intact?		Yes 🗹	No Deri	-(	
Sufficient sample volume for indicate	ed test?	Yes 🗸	Мо □		
All samples received within holding t	ime?	Yes 🗸	No 🗀		
Container or Temp Blank temperatur	re in compliance?	Yes 🗹	No 🗌	Temperaturo	1,3 °C
Water - VOA vials have zero headsp	pace? No VOA vials subr	mitted	Yes 🗏	No 🗀	
Water - Samples pH checked?		Yes 🖪	No 🗔	Checked by:	
Water - Samples properly preserved	?	Yes 🖸	No 🗔	pH Adjusted?	
	ather was a section bolow			•	
Any No response must be detailed in	n the comments section below.				- :
				-	-
Comments:					
		-			
		ACCUSE 15 MARC - PF	.,		
	A secretary management		.*		
	* * 1 to 1 mm			_ + 1	
Client / Person contacted:	Date contacted:	an delia	Con	tacted by:	
Response:					
		·			

Laboratory ID : Client Sample ID : Date Collected :

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			Managaragas	zumienkie Son		diffication of	i Linguistasi Martinesiasi
	CAS No.	Analyte		Thirding (in )			AL.
BTEX	71-43-2	Benzene	12	0.8	0.03	0.17	
	108-88-3	Toluene	16,000	650 / 42*	12	29	
	100-41-4	Ethylbenzene	7,800	400 / 58*	13	19	
	1330-20-7	Xylenes, Total	16,000	320 / 5.6*	150	150	
PNA	83-32-9	Acenaphthene	4,700		570	2,900	
	208-96-8	Acenaphthylene					
	120-12-7	Anthracene	23,000	UP 40 40	12,000	59,000	
	56-55 <b>-</b> 3	Benz(a)anthracene	0.9		2	8	
	50-32-8	Benzo(a)pyrene	0.09		8	82	
	205-99-2	Benzo(b)fluoranthene	0.9		5	25	
	191-24-2	Benzo(g,h,i)perylene					
	207-08-9	Benzo(k)fluoranthene	9		49	250	
	218-01-9	Chrysene	88	er-	160	800	
	53-70-3	Dibenz(a,h)anthracene	0.09		2	7.6	
	206-44-0	Fluoranthene	3,100		4,300	21,000	
	86-73-7	Fluorene	3,100	160 PM 00-	560	2,800	
	193-39-5	Indeno(1,2,3-cd)pyrene	0.9		14	69	
	91-20-3	Naphthalene	1,600	170 / 1.8*	12	18	
	85-01-8	Phenanthrene					
	129-00-0	Pyrene	2,300	12 40 V	4,200	21,000	

<sup>\* -</sup> Construction Worker Inhalation Objective from Appendix B, Table B.

#### 10080152Res

10080152-004

0.084

0.18

10080152-006

0.058

0.1

10080152-005

0.14

0.28

10080152-001	10080152-002	10080132-003	10080152-004	CUU-SCIUDIUI	10000132-000
# F#I Soile	#2.86il	#3.Seil	#4 Soil	#5 Soil#2	#6 Soil
08/04/2010 20:00	08/04/2010 20:10	08/04/2010 20:15	08/04/2010 20:20	08/04/2010 20:25	08/04/2010 20:30
	- 0.00.50	. 0 0051	- 0.0071	< 0.0085	< 0.0062
< 0.0056	< 0.0059	< 0.0051	< 0.0071		
< 0.0056	< 0.0059	< 0.0051	< 0.0071	< 0.0085	< 0.0062
< 0.0056	< 0.0059	0.0074	< 0.0071	< 0.0085	< 0.0062
< 0.018	< 0.018	0.033	< 0.021	< 0.026	< 0.019
< 0.041	< 0.041	0.042	< 0.041	< 0.049	< 0.041
< 0.041	< 0.041	0.042	< 0.041	< 0.049	< 0.041
< 0.041	< 0.041	< 0.038	< 0.041	< 0.049	< 0.041
< 0.041	< 0.041	0.042	0.084	0.14	0.058
< 0.041	< 0.041	< 0.038	0.079	0.14	0.041
< 0.041	< 0.041	< 0.038	0.1	0.13	0.075
< 0.041	< 0.041	< 0.038	< 0.041	0.065	0.066
< 0.041	0.062	< 0.038	0.063	0.17	0.079
< 0.041	< 0.041	0.053	0.1	0.16	0.075
< 0.041	< 0.041	< 0.038	< 0.041	< 0.049	< 0.041
0.054	0.041	0.061	0.17	0.31	0.12
< 0.041	< 0.041	< 0.038	< 0.041	< 0.049	< 0.041
< 0.041	< 0.041	< 0.038	< 0.041	0.055	0.046
< 0.041	< 0.041	0.099	< 0.041	< 0.049	< 0.041
• •				0.14	ስ ስሮቦ

0.08

0.095

10080152-003

10080152-002

< 0.041

0.074

10080152-001

< 0.041

0.058

#### 10080152Res

10080152-007 10080152-008 10080152-009
##7 Soil ##9 Soil ##9 Soil ::
08/04/2010 20:35 08/04/2010 20:40 08/04/2010 20:45

< 0.0066	< 0.0057	< 0.0058
< 0.0066	< 0.0057	< 0.0058
< 0.0066	< 0.0057	< 0.0058
< 0.02	< 0.017	< 0.018
< 0.041	< 0.044	< 0.041
< 0.041	< 0.044	< 0.041
< 0.041	< 0.044	< 0.041
0.075	0.075	< 0.041
0.083	0.075	< 0.041
0.075	0.084	0.05
< 0.041	< 0.044	< 0.041
0.1	0.066	< 0.041
0.092	0.084	< 0.041
< 0.041	< 0.044	< 0.041
0.17	0.15	0.083
< 0.041	< 0.044	< 0.041
< 0.041	< 0.044	< 0.041
< 0.041	< 0.044	< 0.041
0.075	0.066	0.042
0.14	0.14	0.066

# ATTACHMENT J

**Special Waste Annual Report** 

## **ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829 James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, JL 60601 • (312) 814-6026

PAT QUINN, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

# Illinois Nonhazardous Special Waste Annual Report Site Information Form (This form must be completed for each site that submits an annual report)

Reporting Year: 2010 Sit	te Information:							
Site IEPA Identification Number: 0311740002								
Site Name: Ortek In	<u>C1</u>							
Site Street Address: 76010.								
Site City: McCook								
Site State: \( \sum_{\text{c}} \) Site Zip Code:	60525 Site Telephone: 708-762-5117							
Check one of the following, if applical completed.	ole: If checked, no other forms are required to be							
-	pecial waste was shipped to an out of state TSDR Facility							
Facility TSDR - No nonhazardo this reporting year.	ous special waste was received at this TSDR Facility in							
Site Mail	ing Address Information:							
(Complete the following information only if site mailing label is incorrect.)								
Company:	Telephone:							
Contact Person:								
Street Address:	P. O. Box:							
City:	State: Zip Code:							
documents, and that based on my inquiry of those radividuals immedia	th the unformation submitted in this and any attached continuation theers or other attached tely responsible for obtaining the information. I believe that the submitted information is muc. for submitting false information, including the possibility of fine and imprisonment.							
Any person who knowingly makes a false, ficultious, or fraudulent second or subsequent offenso after conviction is a Class 3 felony.	material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A (415 RCS 5/44(b).							
Name (print/type): Lowell Aug	hendringh Telephone: 708-762-5117							
Signature: K. Augho baugh	Steo Date: \$ 10/11							
This Agency is sushonzed to require this difformation under Illiadic Re required. Failure to do so may result in a civil penalty up to \$25,000 f	vised Statutes, 1989, Chapter 111 1/2, Section 1004 and 1023. Disclosure of this information is							

ThC 228 11



## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

.1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829 James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

PAT QUINN, GOVERNOR

Douglas P. Scott, Director

# Illinois Facility Nonhazardous Special Waste 2010 Annual Report

Facility IEPA Number, Name & Address

Mait of J Mait of measure -gallons

					Wn	1404. 2020	e seellons
Record Field	Management Code	(Address must match ID#)	Generator IEPA ID#	Waste Code	Quantity	UOM	Comments
A.	13/14	ORTEK Recival IM: 739. 157 (6)	IAC-739 157 (b)	314	310,753		used
B.	13/14	total rec've/processed by Ortex TAC 739 157 (b)	\\	13/14	4238800		Oily waster water
C.	13/14	total recival/processed by Ortek + AC 739 157 (b)	\(	13/14	186,350	-	Emulsified coolart
D.							
E.							
F.							
G.				-			
Н.							
**************************************							
المراجعة الم							

# Nonhazardous Special Waste Annual Report Facility Instructions: Please print or type report. Photocopy form as needed.

This Nonhazardous Annual Report is required under the Illinois Environmental Protection Act 22.01 and 35 Illinois Administrative Code 809.501(j). This regulation requires you to report the types and quantities of nonhazardous special waste treated, stored, disposed or recycled at your facility, and to identify the generators of this waste. Please note that Polychlorinated Biphenyls (PCB's) must be included on this report.

Reports are due at the IEPA by February 1 of each year. This report shall SUMMARIZE all nonhazardous special waste received the previous year (1-1-10 thru 12-31-10). Do not list individual manifest quantities. Do not send copion of the manifests; they are not required. If no waste was received at your facility, check the appropriate field on the Site Information form, sign and return form to the Agency.

Waste streams that became subject to the nonhazardous non-liquid exemption must still be reported if the required certification was not completed.

FACILITY IEPA NUMBER, NAME AND ADDRESS: Please make address and/or name changes on the Site Information form if necessary.

MANAGEMENT CODE: From the list below select the one code (number) that best identifies the final management of the waste at your facility.

- 01 Metals recovery
- 02 Solvent recovery
- 03 Other recovery (e.g. antifreeze regeneration)
- 04 Incineration
- 05 Energy recovery (burning to recover BTU value)
- 06 Fuel blending (blending waste to fuel specs)
- 07 Treatment (chemical, physical, or biological)
- 08 Land treatment, application
- 09 Landfill
- 10 Transfer station
- 11 Storage (long-term)
- 12 Other (Indicate description in comments)
- 13 Used oil regeneration
- 14 Used oil on spec fuel blending
- 15 Used oil off-spec fuel blending
- 16 Used oil incorporation into hex-weste fuel blending

GENERATOR NAME AND ADDRESS: Complete for each generator from which waste was received. Write the generator name and <u>address</u> where the waste was generated, not the mailing address.

GENERATOR IEPA ID NUMBER: Write the corresponding IEPA ID Number for each generator listed. Generators address must match the ID Number.

WASTE CODE: Select the code (number) that best corresponds to the description of waste; write the code in the space provided,

#### NO RCRA HAZARDOUS WASTE TO BE INCLUDED

- 01 Leaking Underground Storage Tank (LUST) contaminated soil, sand and clay
- 02 Other contaminated soil, sand or day
- 03 Other contaminated materials
- 04 PCB1 solids (capacitors, transformer carcasses)
- 05 PCB2 liquids (transformer and capacitor

- oils, etc.)
- 06 Lab Packs
- 07 Leachate
- 08 Ashes, Incinerator or boiler
- 09 Municipal waste water treatment sludges10 Industrial waste water treatment sludges
- 11 Food processing wastes & Off-spec food
- products

  One of the products are a product and a product are a product are a product and a product are a product are a product and a product are a product are a product and a product are a product are a product are a product and a product are a product are a product and a product and a product are a produ
- 12 Antifreeze
- 13 Waste/used oil
- 14 Other organic liquids
- 15 Other organic solids or sludges
- 16 Liquids with other metals
- 17 Solids or sludges with other metals
- 18 Other inorganic liquids
- 19 Other inorganic solids or sludges
- 20 Containerized gas
- 21 Household Hazardous Waste from collections

QUANTITY TOTAL: Write the total volume in either gallons or cubic yards for the reporting period.

UNIT OF MEASURE: Enter 1 for gallons or 2 for cubic yards.

COMMENTS: Check the comment field if you have any comments or remarks. Indicate your written comments on a separate page and reference the record field and the page number for each comment.

SITE INFORMATION FORM: This form must be completed for each site that submits an annual report.

NO WASTE RECEIVED: With the additional exemption for non-liquid nonhazardous wastes with generator certification, your facilities may not have managed any special waste in 2008. If this is true at your facility, please indicate so on the Site Information form, and sign the certification.

CERTIFICATION BY FACILITY: The owner, operator or an authorized representative must sign and date the certification on the Site Information form.

HAULER INFORMATION FORM: List all haulers and their 4-digit IL SWH permit number or their Uniform Program Permit ID number, who delivered waste to your facility.

#### DISTRIBUTION OF COPIES

Send the original report to the address below: Illinois Environmental Protection Agency Bureau of Land (#24)
Annual Reports and Data Collection Unit 1021 North Grand Avenue East Post Office Box 19276
Springfield, Illinois 62794-9276

#### OVERNIGHT MAILING ADDRESS:

1021 North Grand Ave East Springfield, Illinois 62702

KEEP A COPY OF THE REPORT FOR YOUR RECORDS; IT IS REQUIRED TO BE KEPT ON-SITE FOR THREE YEARS.



## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829 James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

PAT QUINN, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

## 2010 Illinois Nonhazardous Special Waste Annual Report Hauler Information

Page 2 of 3

Record Field	Hauler Permit ID Number	Hauler Name	Hauler Address, City, State and Zip Code	Comments
Α.	upm-350461	North Branch Environmental	7,001th 458 bardon Ave. Roselle, IL 60172	1,11
8.	3922	Fidure Environmental	1970150-97th Ave. Mokena, IL bouys	
	UPW.01758-189-	RS Used Oil	25903 So. Ridgeland Monee, IL 60449	
D.	484475	Hazchem Environmental Corp.	Hadison, IL bolol	
E.	1047	Duke's Oil Service	783 fairway Dr. Bensenville, IL 60106	1
F.	0344	Southwest Oil Services	17348 Decrereek Dr. Orland Park Tl 60467	
G.	5024	Illinois Recovery Group	Morris, IL 60450	
Н.	4386	Environmental	750 Almar Parkway Suite 201 Bourbonnais, IL 60914	

August 10, 2011

To whom it may concern:

Lowell Aughenbaugh will be out of state for the next several months. He has given me authorization to sign on his behalf.

Laurie Witter Office Manager

Ortek, Inc.

## ATTACHMENT K

Sample Analysis

# Ju'. 8. 2011 5:53 PMST PRECISION LABSTROLEUM LABS, 5459 N.P. 3

## CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS

5915 Star Lane, Houston, TX 77057 Ph. 713-680-9425 Fax: 713-680-9564

Website: precisionlabs.org

Client Name: Ortek Inc

Street Address: 7601 W 47th St

City, State, Zip: McCook, IL 60525

INVOICE No.	49400	DATE RECEIVED	07-08-2011
LAB REFERENCE No.	2011-07-136	DATE/TIME COLLECTED	07-07-2011@2:30pm
AUTHORIZED BY	Bob Kolav	MATRIX TYPE	Liquid
PRODUCT ID	WO 4,5,6,101		

PARAMETER PCB'S, PPM	TEST METHOD S.W. 8082	REPORTING LIMIT 0.50	TEST RESULTS BRL
Heavy Metals, PPM Arsenic	EPA-6010	0.50	BRL
Barium Cadmium	EPA-6010 EPA-6010	0.10 0.10	9.02 BRL
Chromium	EPA-6010	0.15	179
Lead Mercury	EPA-6010 EPA-6010	0.39	5.07 BRL
Selenium	EPA-6010	0.63	BRL
Silver	EPA-6010	0.13	BRL

Daniel Zabihi

Date: 07-08-2011

QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS. There were no quality assurance anomalies associated with these tests.

PRECISION PETROLEUM LABS, INC.'S RESPONSIBILITY FOR THE ABOVE ANALYSIS, OPINIONS OR INTERPRETATIONS IS LIMITED TO THE INVOICE AMOUNT. RESULTS ARE REPORTED ON AN "AS IS" BASIS, UNLESS OTHERWISE NOTED. THE TEST RESULTS RELATE ONLY TO THE SUBMITTED SAMPLE IDENTIFIED ON THIS REPORT. TEST RESULTS MEET ALL REQUIREMENTS OF NELAC FOR TESTS LISTED ON THE LABORATORY'S CURRENT FIELDS OF ACCREDITATION (EPA 1010, 6010, 8082, 8260, and 9073).

# FRECISION PETROLEUM LABS, INC.

### CERTIFICATE OF ANALYSIS

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5915 Star Lane, Houston, TX 77057 Ph. 713-680-9425 Fax: 713-680-9564

Website: precisionlabs.org

Client Name: Ortek Inc

Street Address: 7601 W 47th St City, State, Zip: McCook, IL, 60525

INVOICE No.	49400	DATE RECEIVED	07-08-2011
LAB REFERENCE No.	2011-07-134	DATE/TIME COLLECTED	07-07-2011@2:00pm
AUTHORIZED BY	Bob Kolav	MATRIX TYPE	Liquid
PRODUCT ID	Glycol 324,325,410,411		

Heavy Metals, PPM	TEST <u>METHOD</u>	REPORTING LIMIT	TEST <u>RESULTS</u>
Arsenic	EPA-6010	0.50	25.28
Barium	EPA-6010	0.10	0.15
Cadmium	EPA-6010	0.10	BRL
Chromiun	EPA-6010	0.15	BRL
Lead	EPA-6010	0.39	1.00
Mercury	EPA-6010	0.17	BRL
Selenium	EPA-6010	0.63	BRL
Silver	EPA-6010	0.13	BRL

Daniel Zabihi

Date: 07-08-2011

QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # A20630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

PRECISION PETROLEUM LABS, INC.'S RESPONSIBILITY FOR THE ABOVE ANALYSIS, OPINIONS OR INTERPRETATIONS IS LIMITED TO THE INVOICE AMOUNT. RESULTS ARE REPORTED ON AN "AS 15" BASIS, UNLESS OTHERWISE NOTED. THE TEST RESULTS RELATE ONLY TO THE SUBMITTED SAMPLE IDENTIFIED ON THIS REPORT. TEST RESULTS MEET ALL REQUIREMENTS OF NELAC FOR TESTS LISTED ON THE LABORATORY'S CURRENT FIELDS OF ACCREDITATION (EPA 1010, 6010, 8082, 8260, and 9075).

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# Jul. 8. 2011; 5:53PMST PRECISION LABSTROLEUM LABS, No. 5459NP. 2

#### CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS

5915 Star Lane, Houston, TX 77057 Ph. 713-680-9425 Fax: 713-680-9564

Website: precisionlabs.org

Client Name: Ortek Inc

Street Address: 7601 W 47th St

City, State, Zip: McCook, IL 60525

INVOICE No.	49400	DATE RECEIVED	07-08-2011
LAB REFERENCE No.	2011-07-135	DATE/TIME COLLECTED	07-07-2011@2:20pm
AUTHORIZED BY	Bob Kolav	MATRIX TYPE	Liquid
PRODUCT ID	Oil 503		

PARAMETER PCB's, PPM TEST METHOD S.W.8082 REPORTING LIMIT 0.50

TEST RESULT BRID

Daniel Zabihi QA Manager

Date: 07-08-2011

PRIMARY ACCREDITATION TCGQ, #T104704203-TX ARIZONA LICENSE # AZ0630

QUALIPIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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# ATTACHMENT L

Checklist

Ortek 12/2/11/ And 1/30/12

Regulation	RCRA USED OIL INSPECTION CHECKLIST (PART 739)	Violation
	PART 739: STANDARDS FOR THE MANAGEMENT OF USED OIL	
	SUBPART B: APPLICABILITY	
	Note: Used oil not exceeding any specification level of Section 739.111 is subject only to Sections 739.172, 739.173 and 739.174(b).	
739.112(a)	Section 739.112 Prohibitions a) Is used oil being managed only in a surface impoundment or waste pile that is regulated under Parts 724	.m.
	or 725?  Yes No N/A	739.112(a)
739.112(b)	b) Is used oil being used as a dust suppressant?  Yes No N/A	739.112(b)
739.112(c)	c) Is off-spec oil fuel burned for energy recovery in only industrial furnaces identified in Section 720.111, utility boilers, or used oil fired space heaters that meet the provisions of Section 739.123?	720 110/->
	SUBPART C: STANDARDS FOR USED OIL GENERATORS WOTH A GOOD WILL	739.112(c)
739.121(a)	Section 739.121 Hazardous Waste Mixing  Is the generator mixing hazardous waste with used oil only as provided in Section 739.110(b)(2)(B) and (C)?  Yes No N/A	739.121(a)
739.121(b)	If "Yes", is the generator of a used oil containing greater than 1000 ppm total halogens managing the used oil as a hazardous waste unless the presumption is rebutted (i.e. analytical data is available)?	Cuchation Negel 739.121(b)
739.122(a)	Section 739.122 Used Oil Storage  Does the generator only store used oil in tanks, containers, or units subject to regulation under Parts 724 or 725?  Yes No N/A	739.122(a)
739.122(b)	Are containers and aboveground tanks used by a generator (to store used oil) in good condition with no visible leaks?	
	Yes No N/A	739.122(b)
739.122(c)	Are containers, aboveground tanks, and fill pipes used for underground tanks labeled or marked "Used Oil"?  Yes No N/A	739.122(c)
739.122(d)	Has the generator, upon detection of a release of used oil, done the following:  1) stopped the release; and 2) contained the release; and	
	3) cleaned up and managed the used oil and other materials; and 4) repaired or replaced the containers or tanks prior to returning them to service, if necessary?  Yes No N/A	739.122(d)
739.123(a)	Section 739.123 On-Site Burning in Space Heaters  Is the generator burning used oil in used oil fired space heaters only when:  1) the heater burns only used oil that the owner or operator generates or used oil received from household do-it-yourselfers (DIY) generators; and  2) the heater is designed to have a maximum capacity of not more than 0.5 million Btu per hour; and	739.123(a)
	3) the combustion gases from the heater are vented to the ambient air?  Yes No N/A	
739.124	Section 739.124 Off-Site Shipments  Has the generator ensured that the used oil is hauled only by transporters that have obtained a USEPA ID # and an IEPA special waste ID # pursuant to Part 809, unless the generator qualifies for an exemption pursuant to Part 739 (self transportation to aggregate points owned by the generator or tolling agreements)?	739.124
	Part 739 (self transportation to aggregate points owned by the generator or tolling agreements)?  Yes No N/A	سر

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Regulation	RCRA USED OIL INSPECTION CHECKLIST (PART 739)	Violation
	SUBPART D: STANDARDS FOR USED OIL COLLECTION CENTERS	
739.130(b)	Section 739.130 Do-It-Yourselfer (DIY) Used Oil Collection Centers  Does the DIY collection center comply with the generator standards in Subpart C of Part 739?  Yes No N/A	739.130(ь)
739.131(b)	Section 739.131 Used Oil Collection Centers  Is the used oil collection center in compliance with the generator standards in Subpart C of Part 739 and registered by the Agency to manage used oil?  Yes No N/A	739.131(b)
739.132(b)	Section 739.132 Used Oil Aggregation Points Owned by the Generator  Does the owner/operator of a used oil aggregation point comply with all standards in Subpart C of Part 739?  Yes No N/A	739.132(b)
739.141(a)	SUBPART E: STANDARDS FOR USED OIL TRANSPORTER AND TRANSFER FACILITIES	ÿ
	Section 739.141 Restrictions on transporters who are not also processors  Has the used oil transporter who processes used oil complied with the requirements for processors in Subpart F [except as provided in subsection 739.141(b)]?  Yes No N/A	739.141(a)
	Note: Used oil transporters may consolidate or aggregate loads of used oil for purposes of transportation.	16
739.141(b)	Has the transporter who conducts incidental processing operations that occur in the normal course of transportation (e.g. settling and water separation), but that are not designed to produce (or make more amenable for production of) used oil derived products, complied with the processor requirements in Subpart F?  Yes No N/A	739.141(b)
739.142(a)	Section 739.142 Notification  Has the used oil transporter complied with the notification requirements of RCRA Section 3010 and obtained an IEPA special waste ID #?  YesNoN/A	739.142(a)
739.143(a)	Section 739.143 Used Oil Transportation  Has the used oil transporter delivered all used oil to:  1) another used oil transporter that has a USEPA ID # and an IEPA special waste ID #; or  2) a used oil processing facility that has a USEPA ID # and an IEPA special waste ID #; or	739.143(a)
T T	an off-spec used oil burning facility that has a USEPA ID # and an IEPA special waste ID #; or     an on-spec used oil burning facility?  Yes No N/A  Yes No N/A  Yes No N/A	739.143(a)
739.143(b)	Has the used oil transporter complied with all applicable packaging and labeling, as well as applicable hazardous material regulations of the USDOT regulations of 49 CFR Parts 171 through 180?	739.143(b)
739.143(c)	Has the used oil transporter who has a discharge of used oil taken appropriate actions as outlined in Part 739?  Yes No N/A	739.143(c)
739.144(a)	Section 739.144 Rebuttable Presumption Has the used oil transporter determined whether the total halogen content of the used oil transported or stored at a transfer facility is above or below 1000 ppm?	739.144(a)
	Yes No N/A	α α
739.144(d)	Has the used oil transporter retained all records of analysis and information used to comply with this Section for at least 3 years?  Yes No N/A	739.144(d)

Regulation	RCRA USED OIL INSPECTION CHECKLIST (PART 739)	Violation
Joseph Leaker Contained Pod bett Pod be	Has the owner/operator of a used oil transfer facility:  b) only stored used oil in tanks, containers, or units subject to regulation under Parts 724 or 725?  Yes No N/A	739.145 Fenks 746 NO Zadary Contain W Kan & 460 Joes
739.146(a)	Section 739.146 Tracking  Has the used oil transporter kept a record of each used oil shipment that includes:  1) the name and address of the generator, transporter, or processor (GTP) who provided the used oil for transport; and  2) the USEPA ID # and IEPA special waste ID # of the GTP that provided the used oil; and  3) the quantity of used oil accepted; and  4) the date accepted; and  5) the signature of a representative of the GTP that provided the used oil?  Yes	Virtileo YP  739.146(a)  Yewds  Yewds
739.146(b)	Has the used oil transporter kept a record of each shipment of used oil that is delivered to another used oil transporter, burner, processor, or disposal facility that includes:  1) the name and address of the receiving facility or transporter: and 2) the USEPA ID # and IEPA special waste ID # of the receiving facility or transporter; and 3) the quantity of used oil delivered; and 4) the date of delivery; and 5) the signature of a representative of the receiving facility or transporter?  Yes	739.146(b)
739.146(c)	Has the used oil transporter who exports used oil to a foreign country complied with this subsection?  Yes No N/A	739.146(c)
739.146(d)	Has the used oil transporter retained all records required under this Section for at least 3 years?  Yes No N/A	739.146(d)
739.147	Section 739.147 Management of Residues  Does the used oil transporter who generates residues from the storage or transportation of used oil manage the residues as specified in Section 739.110?  Yes No N/A	739.147
739.151	SUBPART F: STANDARDS FOR USED OIL PROCESSORS	
	Section 739.151 Notification  Has the used oil processor obtained a USEPA ID# and an IEPA special waste ID#?	739,151

Regulation	RCRA USED OIL INSPECTION CHECKLIST (PART 739)	Violation
739.152(a)	Section 739.152 General Facility Standards  Has the owner/operator of a used oil processor and refiner:  1) maintained and operated the facility to minimize the possibility of fire, explosion, or release of used oil; and  2) ensured that he is equipped with the equipment required in this Subsection; and	
	tested and maintained equipment as required; and maintained access to communication or alarm system(s); and maintained the required aisle space; and maintained arrangements with local authorities?	739.152(a) Yes and
739.152(b)	Has the owner/operator of a used oil processing and refining facility complied with the following requirements:	Veleases of
	2) ensured that the contingency plan complies with the requirements of this Section; and 3) maintained and submitted to all local authorities copies of the contingency plan and all revisions; and 4) amended the contingency plan as applicable to this Subsection; and 5) ensured that an emergency coordinator is on the premises or on call at all times to meet the requirements of this Subsection; and	739.152(b)
	6) ensured that emergency procedures meet the requirements of this Subsection?  Yes No N/A  SPOK Gurlles Crahadon NE	eded
739.153	Section 739.153 Rebuttable Presumption  Has the used oil processor determined whether the total halogen content of the used oil being transported or stored at a transfer facility is above or below 1000 ppm?  Yes	739.153
39.154(a)	Section 739.154 Used Oil Management  Has the owner/operator of a used oil processor:  a) only stored used oil in tanks, containers, or units subject to regulation under Parts 724 or 725?  Yes	739.154(a)
39.154(b)	b) stored used oil at a transfer facility only in containers and aboveground tanks that are in good condition with no visible leaks?  Yes No N/A	739.154(b)
39.154(c)	c) provided secondary containment for containers as required by this Subsection?  No of off loading and was gallon on the secondary containment for containers as required by this Subsection?  N/A	739.154(c)
739.154(d)	d) provided secondary containment for existing aboveground tanks as required by this Subsection?  Yes No N/A	739.154(d)
739.154(e)	e) provided secondary containment for new aboveground tanks as required by this Subsection?  No	739.154(e)
739.154(f)	f) labeled or marked containers, aboveground tanks, and fill pipes used for underground tanks with the	739.154(f)
39.154(g)	g) done the following upon detection of a release of used oil:  1) stopped the release; and 2) contained the release; and 3) cleaned up and managed the used oil and other materials; and 4) repaired or replaced the containers or tanks prior to returning them to service, if necessary?  Yes	739.154(g)
739.154(h)	h) closed aboveground tanks and containers in accordance with this Section?  N/A  N/A  N/A  N/A	739.154(h)
739.155		not operate

Regulation	RCRA USED OIL INSPECTION CHECKLIST (PART 739)	Violation
	written waste analysis plan describing the procedures that will be used to comply with the rebuttable presumption and on-spec Sections of this Part?  Yes	739.155
739.156	Section 739.156 Tracking  Has the used oil processor kept a record of each used oil shipment accepted for processing (i.e. invoice, manifest, bill of lading, or other) that includes:  1) the name and address of the transporter who delivered the used oil to the processor; and 2) the name and address of the generator or processor from whom the used oil was sent for processing; and	
	3) the IEPA special waste ID # of the transporter who delivered the used oil to the processor; and 4) the IEPA special waste ID #, if applicable, of the generator or processor from whom the used oil was sent for processing; and 5) the quantity of used oil shipped; and 6) the date of shipment?  Yes No N/A	739,156
739.156(b)	Has the used oil processor kept a record of each shipment of used oil that is delivered to a burner, processor, or disposal facility that includes:  1) the name and address of the transporter who delivers the used oil to the burner, processor or disposal facility; and  2) the name and address of the burner, processor, or disposal facility who will receive the used oil; and  3) the IEPA special waste ID # of the transporter who delivers the used oil to the burner, processor, or	- ×
	disposal facility; and 4) the IEPA special waste ID # of the burner, processor, or disposal facility who will receive the used oil; and 5) the quantity of used oil shipped; and 6) the date of shipment?  YEVE YES NO N/A	739.156(b)
739.156(c)	Have the records described in this Section been maintained for at least 3 years?  Yes No N/A	739.156(c)
739.157(a)	Section 739.157 Operating Record and Reporting  Has the owner/operator kept a written operating record at the facility that contains the following:  - records and results of oil analyses performed as described in the analysis plan required under Section 739.155?	
	- summary reports and details of all incidents that require implementation of the contingency plan as specified in Section 739.152(b)?	739.157(a)
739.157(b)	Has the used oil processor reported to the Agency in the form of a letter, on a biennial basis by March 1, the following information:  1) the IEPA special waste ID #, name and address of the processor: and 2) the calendar year covered by the report; and 3) the quantities of used oil accepted for processing and the manner in which the used oil is processed, including the specific processes employed; and 4) the USEPA ID #?  Yes	739.157(b)
739.158	Section 739.158 Off-Site Shipments of Used Oil  Has the used oil processor who initiates a shipment of used oil off-site used a used oil transporter that has a USEPA ID # and an IEPA special waste ID #?  Yes No N/A	739.158 Yeskiveroos
739.159	Section 739.159 Management of Residue  Does the used oil processor who generates residues from the storage, processing, or re-refining of used oil manage the residues as specified in Section 739.110(e)?  Yes	739.159

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Regulation	RCRA USED OIL INSPECTION CHECKLIST (PART 739)	Violation
739.161	SUBPART G: STANDARDS FOR USED OIL BURNERS WHO BURN OFF-SPEC USED OIL FOR ENERGY RECOVERY Section 739.161 Restriction on Burning	
	Is off-spec oil fuel burned for energy recovery only in industrial furnaces identified in Section 720.111, utility boilers, used oil fired space heaters that meet the provisions of Section 739.123, or hazardous waste incinerators?  YesNoN/A  Section 739.162 Notification	739.161
739.162	Section 739.162 Notification  Has the used oil burner complied with the notification requirements of RCRA Section 3010 and obtained an IEPA special waste ID #?	739.162
	Yes No N/A	739.102
739.163(a)	Section 739.163 Rebuttable Presumption for Used Oil  Has the used oil burner determined whether the total halogen content of the used oil being transported or stored at a transfer facility is above or below 1000 ppm?	739.163(a)
720.16274)	Yes No N/A  Has the used oil burner retained all records of analyses and information used to comply with this Section for at	
739.163(d)	least 3 years?  YesNoN/A	739.163(d)
739.164(a)	Section 739.164 Used Oil Storage Has the owner/operator of a used oil burning facility:	0.73
10	a) only stored used oil in tanks, containers, or units subject to regulation under Parts 724 or 725?  Yes No N/A	739.164(a)
739.164(b)	b) used only containers and aboveground tanks that are in good condition, with no visible leaks, to store used oil?	
	Yes No N/A	739.164(b)
739.164(c)	c) provided secondary containment for containers as required by this Subsection?  Yes No N/A	739.164(c)
739.164(d)	d) provided secondary containment for existing aboveground tanks as required by this Subsection?  Yes No N/A	739.164(d)
739.164(e)	e) provided secondary containment for new aboveground tanks as required by this Subsection?  Yes No N/A	739.164(e)
739.164(f)	f) labeled or marked all containers, aboveground tanks, and fill pipes used for underground tanks with the words "Used Oil"?	
=	Yes No N/A	739.164(f)
739.164(g)	g) upon detection of a release of used oil, done the following: 1) stopped the release; and 2) contained the release; and	
	3) cleaned up and managed the used oil and other materials; and 4) repaired or replaced the containers or tanks prior to returning them to service, if necessary?  Yes  No  N/A	739.164(g)
739.165(a)	Section 739.165 Tracking	III
739.103(a)	Has the used oil burner kept a record of each used oil shipment accepted for burning (i.e. log, invoice, manifest, bill of lading or other) that includes:  1) the name and address of the transporter who delivered the used oil to the burner; and	
	2) the name and address of the generator or processor from whom the used oil was sent to the burner; and	HQA 3 2 2 2 2 3 3
,	<ul> <li>the IEPA special waste ID # of the transporter who delivered the used oil to the burner; and</li> <li>the IEPA special waste ID #, if applicable, of the generator or processor from whom the used oil was sent to the burner; and</li> </ul>	739.165(a)
-	5) the quantity of used oil accepted; and 6) the date of acceptance?  Yes No N/A	
	16S NO N/A	

Regulation	RCRA USED OIL INSPECTION CHECKLIST (PART 739)	Violation
739.165(b)	Have the records described in this Section been maintained on-site for at least 3 years?	
	Yes No N/A	739.165(b)
739.166(a)	Section 739.166 Notice  Prior to accepting the first shipment of off-spec used oil fuel, has the used oil burner provided to the GTP a one-time written and signed notice certifying that:  1) the burner has notified the Agency stating the location and general description of the used oil management activities; and	739.166(a)
	2) the burner will burn used oil only in an industrial furnace or boiler identified in Section 739.161(a)?  Yes No N/A	
739.166(b)	Has the certification been maintained for at least 3 years from the date the burner last received a shipment of used oil from the GTP?	739.166(b)
-	Yes No N/A	
739.167	Section 739.167 Management of Residue  Does the used oil burner who generates residues from the storage, processing, or re-refining of used oil manage the residues as specified in Section 739.110(e)?	739.167
	Yes No N/A	
739.171	SUBPART H: STANDARDS FOR USED OIL FUEL MARKETERS Section 739.171 Prohibitions  Weeks  Fully	615
	Has the used oil fuel marketer initiated a shipment of off-spec used oil only to a used oil burner that has a USEPA ID # and an IEPA special waste ID # and burns the used oil in an industrial furnace or boiler as specified in Section 739.161(a)?	739.171
	Yes No N/A	,
739.172(b)	Section 739.172 On-Spec Used Oil Fuel  Has the GTP or burner who claims that the used oil meets the specification for used oil fuel under this Part, kept copies of analyses or other information for at least 3 years?	739.172(b)
š	Yes No N/A	739.172(0)
739.173(a)	Section 739.173 Notification  Has the used oil marketer complied with the notification requirements of RCRA Section 3010 and obtained an	720 172(-)
	IEPA special waste ID #?         Yes No N/A	739.173(a)
739.174(a)	Section 739.174 Tracking  Has the used oil generator kept a record of each used oil shipment accepted for burning (i.e. log, invoice, manifest, bill of lading, or other) that includes:  1) the name and address of the transporter who delivered the used oil to the burner; and 2) the name and address of the burner who will receive the used oil; and	
Ž	<ul> <li>the IEPA special waste ID # of the transporter who delivered the used oil to the burner; and</li> <li>the IEPA special waste ID # of the burner; and</li> <li>the quantity of used oil shipped; and</li> <li>the date of acceptance?</li> </ul>	739.174(a)
W	Yes No N/A	
739.174(b)	Has the GTP or burner who claims that the used oil meets the fuel specification under Section 739.111 kept a record of each shipment of used oil to an on-spec used oil burner that includes the following:  1) the name and address of the facility receiving the shipment; and 2) the quantity of used oil fuel delivered; and	
×	the date of shipment or delivery; and     a cross-reference to the record of used oil analyses or other information used to make the determination that the oil meets the specifications as required under Section 739.172(a)?  Yes No N/A	739.174(b)
739.174(c)	Have the records described in this Section been maintained on-site for at least 3 years?	
	Yes No N/A	739.174(c)

Regulation	RCRA USED OIL INSPECTION CHECKLIST (PART 739)					
739.175(a)	Section 739.175 Notices  Before a used oil GTP directs the first shipment of off-spec used oil to a burner, has the generator obtained a one-time written and signed notice from the burner certifying that:  1) the burner has notified the Agency stating the location and general description of used oil management activities; and  2) the burner will burn the off-spec used oil only in an industrial furnace or boiler identified in Section 739.161(a)?  Yes	739.175(a)				
	COMMENTS:					

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# ATTACHMENT M

**Daily Logs and Manifests** 

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#### OXFORD LAB-X 3000 AMALYSIS REPORT

18/5/2011 4:11am Calibration title: W/O 5-CL GIO

Sample: 96748

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5918 cms 4461 cms

Sample 96748 = -0.9796 % S = 0.0184 % CL

#### OXFORD LAB-X 3000 ANALYSIS REPORT

18/5/2011 48:15mm

Calibration title: W/O 3-CL 8IO

Sample: 96754

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Sample 96-64 = 10,0787 % S

= 0.0182 % CL

## OXFORD LAS-X 3000

PHALVEIS REPORT

10/5/2011 4:19am

Calibration title: W/O S-CL GIO

Sample: 96755

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#### OXFORD LAB-X 3000 AMALYSIS REPORT

10/5/2011 4:23am

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#### OXFORD LAB-X 3000 AMALYSIS REPORT

19/5/2011 4:23am

Calibration title: W/O 5-CL GIO

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#### OXFORD LAB-X 3000

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Sample 96758 = -0.0684 % S

= 0.0286 % CL

W/O S-CL GIO Restandardisation

#### OXFORD LAB-X 3000

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18/5/2011 4:34:44

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#### OXFORD LAB-X 3000 AMALYSIS REPORT

18/5/2011 4:38am

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10/5/2011 4:35am

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#### OXFORD LAB-X 3000 AMALYSIS REPORT

10/5/2011 4141sm

Calibration title: W/O S-OL 610

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Sample 96760 = 6.2694 % S

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16/5/2011 4445am

Calibration title: W/O S-CL GIO

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Sample 9576 = -0,0548 % S

= 8,8129 % CL

#### OXFORD LAB-X 3000 ANALYSIS REPORT

10/5/2011 4:5120

Calibration title: W/O S-OL GIO

Sample: 96762

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#### DAILY RECEIVING LOG USED OILS

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Sample 96819 = 0.0999 % S

= 0.3288 % D.

#### OXFORD LAB-X 3000 ANALYSIS REPORT

18/12/2611 7:15pm

Calibration title: W/O S-CL 810

Samle: 9628

- "-

5990 ces 4902 ces

Sam-le 96820 = -0.0752 % S

= 9.0097 % CL

#### OXFORD LAB-X 3000

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19/12/2011 7:20pm

Calibration title: W/O 5-CL GIO

Sample: 96821

5 CL

9749 cps 11291 cps

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Sample 96821 = 8,1956 % S

= 0.1935 % (L

#### 0%7070 145-% 3868

#### ANALYSIS REPORT

10/12/2011 7:25pm

Calibration title: 9/0 5-00 610

Sample: 96822

6500 crs 6167 crs

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Sample 96822 = -9.8315 % 5

= 8.0692 % CL

## OXFORD LAB-X 3000

AMPLYSIS REPORT

Calibration title: G/O S-CL GIO

Sample: 96823

10/12/2011 7:29pm

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Sample 96814 = -0.0752 % S = 0.006 % CL

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#### OXFORD LAB-X 3000 PHRIVETS REPORT

10/12/2011 6:47em

Calibration title: W/O S-CL GIO

Sample: 96815

5

5631 cms 4934 CPS

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Sample 96815 = -0.0859 % 5

= 0.0070 % CL

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#### OXFORD LAB-X 3600 AMELYSIS REFORT

16/12/2011 6:51rm

Calibration title: W-D S-CL 810

Sample: 96816

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jes Grima

7972 cms 7116 cms

Sample 96816 = 0.0676 % S

= 8.0689 % CL

#### OMFORD LAB-M 3800 PHALYSIS REPORT

16/12/2011 6:57pm

Calibration title: W/O 5-CL GIO

Sample: 96817

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CL.

12468 crs 22958 CFS

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Sample 96817 = 0,3899 % S

= 0,6626 % (%)

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6. Tr	ansporter 1 Company Name North Branch Environmental	UPM03504	61IL		U.S. EPA ID.	lumber 0005297	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	***************************************
7. Tr	ansporter 2 Company Name		namen in the second continue constitution of the second continue c		U.S. EPA ID I	lumber	makili mistami kinasakami cerkanasa m	
	esignated Facility Name and Sile Address Orteck 7601 W. 47 <sup>th</sup> street McCook, II 60525 (708)76	52-5119			U.S. EPAID I	l 1740001		· · · · · · · · · · · · · · · · · · ·
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Cl	ss; ID Number,	10. Centair No.	ners Type	11 Total Quantity	12. Unit Wt/Vol.	13. Wast	e Códes
ENEKALUK	1. Non-Hazardous Liquid		001	(11	2900	8		
GENE	2.							
	3.							
	4.							
	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the marked and labeled/placarded; and are in all respects in proper condition. Exporter, It certify that the contents of this consignment conform to the tend certify that the waste minimization statement identified in 40 CFR 262.27	for transport according to applicables of the attached EPA Acknowledge.	e international and nati gment of Consent or) or (b) (if I am a sma	onal governr	nental regulations enerator) is true	. If export shipr	nent and I am ti Month	ne Primary Day Y
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Please print or type Form designed for use on elite (12-pitch) typewriter.)

1. Generator ID Number 3. Emergency Response Phone 4. Manifest Tracking Number 000413554WAS 630-452-1910 WASTE MANIFEST Generator's Site Address (if different than mailing address) 5. Generator's Name and Mailing Address desertation of og , irc. itis frombanac load Neberofile, IL SCERS Generator's Phone: ちょう ブラオーステスト U.S. EPA ID: Number 6. Transporter 1 Company Name HazChen Environmental Corporation ILDOBATASISA U.S. EPAID Number 7. Transporter 2 Company Name 8 Designated Facility Name and Site Address U.S. EPA ID Number Grvet, It. 7421 v. 47to Sinset T. DODOSAGTES MICTOOK, ILLEASIE Facility's Phone: 708-727-5437 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit 9a. 13: Waste Codes Wt./Vol. and Packing Group (if any)): No. Туре Quantity ΗМ Yazartaur, ammaggalaren katarialijmateri None GENERATOR 14, Special Handling Instructions and Additional Information GENERATOR'S/OFFEROR'S CERTIFICATION: Thereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded; and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary. Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. l certify that the waste minimization statement identified in 40 CFR 262 27(a) (if I am a large quantily generator) or (b) (if I am a small qua Export from U.S. of entry/exit: Date leaving U.S. Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature £ 18: Discrepancy 18a: Discrepancy Indication Space \_\_\_\_Туре Residue Partial Rejection Full Rejection Quantity Manifest Reference Number U.S. EPA ID Number 18b. Alternate Facility (or Generator) Facility's Phone: Month Day 18c; Signature of Alternate Facility (or Generator) Waste Report Management Method Codes (i.e., codes for waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature Gar

# ATTACHMENT N

**Ortek Storage Tanks Inventory** 

PG 1 ORTEK STORAGE TANKS INVENTORY CURRENT January 30,2012

011	LK STORAGE TAINES HAVEIATONT COM	Livi January 30,2	.012
TANK#	PRODUCT STORED	CAPACITY	INVENTORY
D-1	NOT IN SERVICE	15,000	0
D-2	NOT IN SERVICE	15,000	0
1	OILY WASTE EMULSIONS	15000	0
2	OILY WASTE EMULSIONS	15,000	0
3	OILY WASTE EMULSIONS	15,'000	0
4	OILY WASTE EMULSIONS	21,300	7,000
5	OILY WASTE EMULSIONS	21,300	10,000
6	OILY WASTE EMULSIONS	21,300	8,000
7	FUTURE USED OIL	28,770	0
8	FUTURE USED OIL	28,770	5000
9	NOT IN SERVICE	28,770	0
10	NOT IN SERVICE	28,770	0
20	NOT IN SERVICE	8,000	0
98	NOT IN SERVICE	21,300	0
99	NOT IN SERVICE	21,300	0
100	OILY WATER	250,000	125000
101	OILY WATER	250,000	50,000
110	NOT IN SERVICE	15,000	0
120	#5 FUEL OIL - WET	21,300	4,000
121	#5 FUEL OIL - WET	21,300	9,500
122	#5 FUEL OIL - DRY	21,300	0
123	USED OIL	21,300	0
124	#5 FUEL OIL - WET	21,300	19,400
125	USED OIL	21,300	0
126	OILY WASTE EMULSIONS	21,300	8,000
127	OILY WASTE EMULSIONS	21,300	15500
128	WATER SOLUBLE	21,300	3,100
129	WATER SOLUBLE	21,300	13,900
130	USED OIL	21,300	0
131	USED OIL	21,300	0
132	OILY WASTE EMULSIONS	21,300	10,200

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PG 2 ORTEK STORAGE TANKS INVENTORY CURRENT January 30,2012

TANK#	PRODUCT STORED	CAPACITY	INVENTORY
133	USED OIL	21,300	18,500
143	NOT IN SERVICE	21,300	17000
144	NOT IN SERVICE	21,300	15000
145	#5 FUEL OIL - WET	21,300	0 (
146	#5 FUEL OIL - DRY	21,300	0
201	FLUSHING OIL	1,500	0
204	NOT IN SERVICE	2,100	0
205	NOT IN SERVICE	2,100	0
207	SJR 2000	2,750	0
208	SJR 2000	2,750	0
210	SJR 2000	2,750	0
211	H CAL 2400	2,750	0
212	H CAL 2400	2,750	0
213	ELCO 102 BLEND	2,750	0
214	NIS	2,750	0
215	EXXON 80 NEUTRAL	2,750	0
216	ELCO 102 BLEND	2,750	0
217	RIGID DARK TANK	2,750	0
237	INFINEUM 4540	6,200	0
238	IPC 1500	6,200	0
240	SK 150 NEUTRAL	19,900	0
241	ORTEK BASE OIL-150	10,500	0
242	INFINEUM SL P 5066	12,000	0
250	BLENDING TANK	7,500	0
251	BRANNEN SJ	6,200	0
252	IPC 1500	10,500	0
253	BLEND TANK	12,000	0
307	NOT IN SERVICE	21,300	0
300	OUTSIDE FLUSHING OIL	3,170	2300
310	ASPHALT	21,300	0

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Blending TWK inside Bldc

PG 3 ORTEK STORAGE TANKS INVENTORY CURRENT January 30, 2012

TANK#	PRODUCT STORED	CAPACITY	INVENTORY
316	T-1/T-2 LIGHT FUEL	15,500	0
323	LIGHT FUEL - API	21,300	12000
324	OILY WASTE EMULSIONS	21,300	0
325	OILY WASTE EMULSIONS	21,300	0
326	NOT IN SERVICE	21,300	0
400	NOT IN SERVICE	250,000	225000
402	ORTEK BASE OIL-150	21,300	0
403	USED OIL	21,300	18000
404	ORTEK BASE OIL-150	24,500	0
405	NOT IN SERVICE	24,500	0
408	CONOCO/CITGO LW	21,300	0
409	USED OIL	21,300	0
410	GLYCOL	21,300	4000
411	GLYCOL	21,300	6000
412	ORTEK BASE OIL-150	21,300	0
413	ORTEK BASE OIL-150	21,300	0
500	BASE OIL	19,400	0
501	BASE OIL	19,400	0
502	BASE OIL	19,400	0
503	BASE OIL	19,400	0
504	BASE OIL	19,400	0
505	BASE OIL	21,300	0
506	BASE OIL	21,300	0
507	BASE OIL	19,400	0
508	BASE OIL	19,400	0
509	BASE OIL	19,400	0
510	BLENDED PRODUCT	14,800	0
511	BLENDED PRODUCT	14,800	0
512	BLENDED PRODUCT	14,800	0
513	BLENDED PRODUCT	14,800	0
514	ALUM SULFATE	4,440	1500
515	CAUSTIC - 50%	4,050	1700
NP 6	ORTEK BASE OIL-150	5,800	0
NP 7	ORTEK BASE OIL-150	5,800	0
DT 40	NOT IN SERVICE	5,800	0
T-1 TOWER	NOT IN SERVICE	10,600	0
T-2 TOWER	USED OIL DISTILLATION	13,380	6,500
T-3 TOWER	NOT IN SERVICE	13,380	0
T-4 TOWER	WET OIL DRYING	13,380	0
T-5 TOWER	NOT IN SERVICE	13,380	0
T-6 TOWER	NOT IN SERVICE	13,380	0

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